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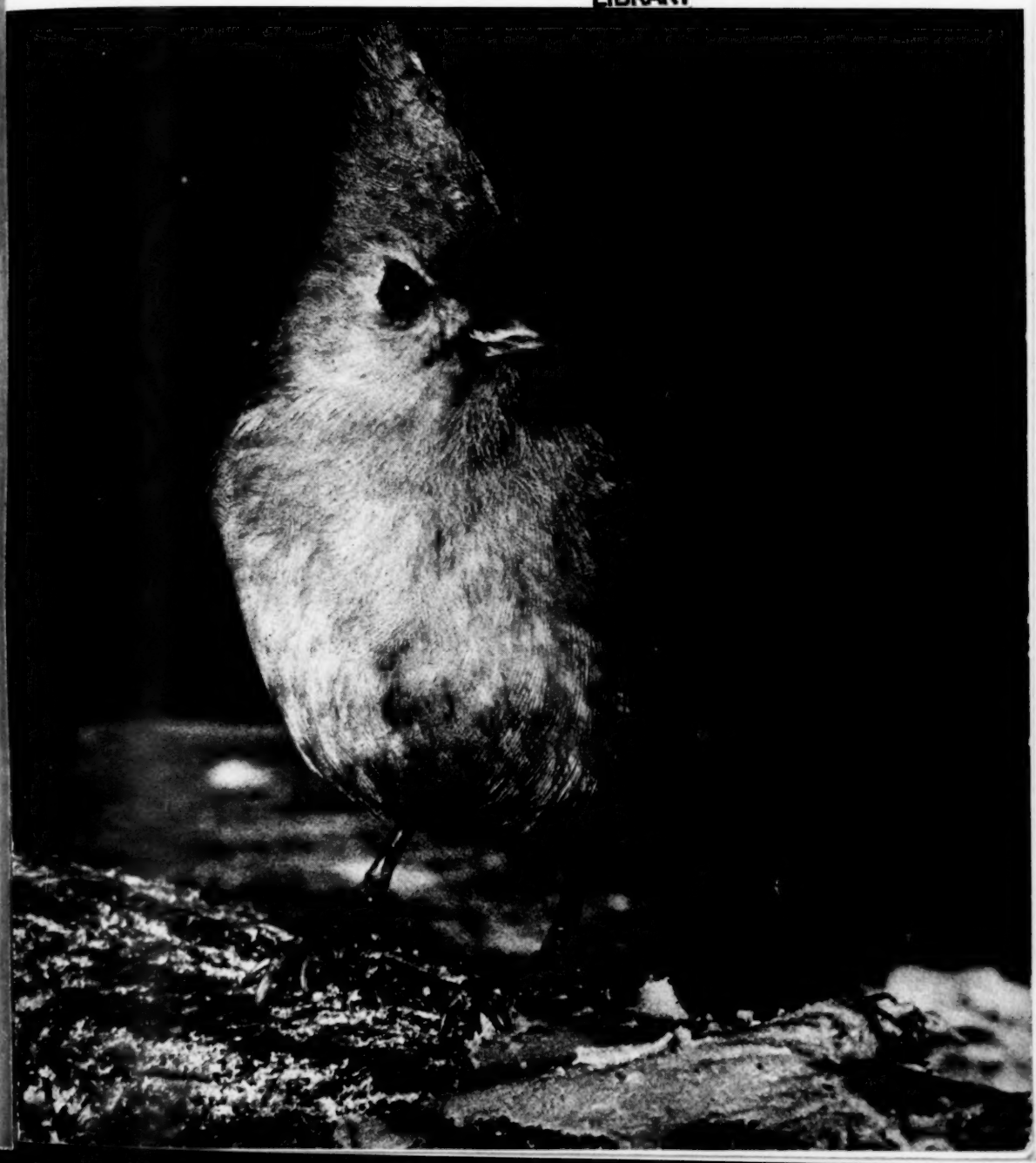

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Vol. 7, No. 2

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Cover Photograph of Tufted Titmouse by Don Wooldridge

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Fifty-Third Christmas Bird Count

DURING THE PAST ten years each Christmas season has seen a steady increase in the number of Christmas Count participants, as well as a rapid improvement in the intensity of coverage. The 1952 season was no exception. There was an increase of 14 per cent in the number of observers and their time afield over and above last year's high record; in the past seven years the number of participants has more than doubled! The total number of individual birds jumped from a previous high of 8.8 million to over 12.1 million. This high number is, of course, due primarily to coverage of a few strategic concentrations such as blackbird roosts in Tennessee, Maryland and Mississippi, and waterfowl concentrations on the Sacramento and Laguna Atascosa Refuges, and at Hovey Lake, Ind., and Monomoy Point, Mass.

The Red-winged Blackbird was once again the commonest bird reported. First place among the waterfowl, which was held by the Mallard in 1950 and the Common Eider in 1951, shifted to the Pintail in 1952; the greatest Pintail concentrations reported were on the Sacramento and Laguna Atascosa Refuges.

For the sake of comparisons with previous and future years, the number of reports printed this year is 456; total observers, 5887; total party-hours, 15,600; total party-miles, 54,500 (of which 10,620 were covered on foot). The number of published counts with 100 or more species is 39.

Variety.—Los Angeles, Calif. and Laguna Atascosa National Wildlife Refuge, Tex. tied for the longest list this year, each reporting 151 species. Los Angeles, the most highly organized count in the country, is now getting some real competition from the strategically located Texas area, which this year boasted 26 observers in 11 parties led by some of the most capable field men in the nation. Wilmington, N. C. and Sabine National Wildlife Refuge, La. came next with 142 species each, followed closely by St. Marks, Fla. and Houston, Tex. with 140. In many respects the most amazing count of all was the one from Newport County, R. I., organized and compiled by Roland C. Clement with the assistance of several notables from Massachusetts as well as most of the Rhode Island experts. Their total of 128 species is 14 greater than any previous count north of Cape May, N. J. Wilmington, N. C. was the only area on the Atlantic Coast to exceed Newport County, R. I. this year. Cocoa (formerly listed under Audubon), Fla. and Cape May, N. J. surpassed their previous records with 130 and 127, respectively. Other areas over 125 were Oakland, Calif. with 132, Charleston, S. C. with 128, Coot Bay, Fla. with 126, and Panacea, Fla. with 126. Five areas reached 100 species for the first time: Seattle, Wash., 112; Sarasota, Fla. (new), 105; Klamath Falls, Oreg., 102; Long Branch, N. J., 101; Westport, Conn., 100.

Many other areas had exceptionally good results this year. It is difficult to select certain ones for special commendation without slighting others; but the following seem especially noteworthy: Salt Lake City, Utah, 95; Washington, D. C., 94; Glenolden, Pa., 92; Huntington, W. Va., and Henderson, Ky., 87; Louisville, Ky., and Denver, Colo., 86; Kansas City, Mo., 78; Atlanta and Macon, Ga., 76; Toronto, Ont., and Rochester, N. Y., 69; Milwaukee, Wis., 66; Spokane, Wash., 63; Brunswick, Me., 61; Madison, Wis., 60; Des Moines, Iowa, 56; Northampton, Mass., 54; Burlington, Vt., 53; Casper, Wyo., and Morgantown, W. Va., 49; Nampa, Idaho, 44; Lewiston, Idaho, 42 and Duluth, Minn., 28.

Weather.—Meteorologically, the stage was set in November for a mild winter in the North and East, with temperatures averaging from 2° to 6° above normal from the Dakotas and Carolinas northeastward. The trend continued throughout December, being most pronounced in the northern regions. Snow fell over most of the northern states and throughout the Rockies during the last week in November, but east of the Rockies amounts remained light until after the close of the Christmas Count period. In the western provinces and bordering states there was a general freeze-over of lakes and streams about November 26, when the temperature dipped to -36° at West Yellowstone, Mont. East of the Mississippi, on the other hand, most lakes remained open until after the Count, except in Wisconsin, Maine and New Hampshire.

Over most of the United States and southern Canada the Christmas Count period was ushered in by mild temperatures. Light to moderate precipitation was general except in the Great Plains, and dense fog impeded observations along the Atlantic Coast and the Great Lakes area. Sunday was also mild and moist over most of the United States and southern Canada. A mild area of low barometer moved from Oklahoma to the Great Lakes, Monday through Wednesday, bringing snow to the Northern Great Plains, and rain to the Northeast. High pressure centered over the central states and a stagnant weather pattern over the remainder of the country resulted in good bird-counting conditions until the weekend, when a rapidly moving cold front descended through the northeastern states accompanied by a sharp temperature drop and brisk winds. Precipitation this second weekend was light except along the Pacific Coast.

General Trends.—Nearly everyone agrees that this was a most remarkable winter. Dozens of compilers commented on the fact that this year's Count was by far their best. Mild weather in fall and early winter in the West, North and East played an important role in keeping waterfowl and southern land birds farther north than usual. Add to this the remarkable eastward movement of several western species, the unprecedented scattering of Baltimore

Orioles throughout the Northeast, the invasion of Golden-crowned Kinglets and Pine Siskins into the Southland, and the significant increase in coverage, and it is easy to see how so many remarkable counts were obtained.

The Evening and Pine Grosbeaks, which were the feature of the 1951 Christmas Count, passed well into the background this year. In their place we find the Pine Siskin abnormally abundant through a large area of the East, and as far south as the Gulf Coast states. In both the East and the West siskins frequently surpassed goldfinches in abundance. As is frequently the case, the Purple Finch was not reported in large numbers anywhere. White-winged Crossbill reports were restricted to the extreme Northeast; the largest Red Crossbill count, strangely enough, came from Long Island. The highest northern finch concentration was reported by the Salt Lake City observers, whose 2650 Black Rosy Finches not only broke all records for that species, but exceeded all other high finch counts throughout the country this season except for the House Finch.

The Baltimore Oriole, Yellow-breasted Chat and Dickcissel were widely reported from the Northeast—more so than ever before. It is interesting to note that the latter two species were not found at all south of Maryland and Long Island, respectively. Does this reflect a greater tendency of these species to visit feeding stations in the North, better coverage by the northeastern observers (particularly in coastal areas where strays might tend to congregate), or are these stragglers actually more common northward?

Among numerous records of western birds being found eastward (particularly in the Southeast) might be mentioned Black-throated Gray Warblers in Louisiana and Florida, Bullock's Oriole in Massachusetts, Western Tanager on Long Island, Green-tailed Towhee in Missouri and Tennessee, Spotted Towhee in Louisiana and New Jersey, Leconte's Sparrow in Georgia, and Smith's Longspur in Arkansas and Louisiana. For other rarities, see the summary of high counts at the close of this issue.

A long list of warblers was recorded this season, with several Florida localities reporting more than a dozen species in this family. The most widely-distributed rarity in this group was the (Wilson's) Black-capped Warbler, with one observation as far north as Virginia, two in Florida (where it is a great rarity in any season), and reports of 2 and 5 individuals on two separate Louisiana areas.

In the far West there was a general lack of mountain birds at low elevations due to mild weather and an abundance of food in the mountains. Arnold Small, who edited the western counts, bemoans the southward spread of the Common Starling in the Pacific States. He comments upon the heavy influx of Short-billed Gulls to San Francisco, a light movement of Varied Thrushes to southern California, and a very unusual number of Red Phalaropes at Monterey and Morro Bay, Calif.

Observers.—Mr. Charles H. Rogers of Princeton, N. J., and Mr. Harry B. McConnell of Cadiz, Ohio, are still the only observers to have submitted Christmas Counts for more than 50 years; both of these gentlemen are still "going strong" and continuing the fine unbroken series of counts from their respective areas. Several other enthusiasts, by virtue of participating in more than one count per year, have submitted more than 50 separate counts; but Mr. Rogers and Mr. McConnell have no close competitors as far as length of record is concerned.

The average number of observers per Count has been increasing steadily; in fact, it has nearly doubled in the past ten years. In 1942 the average number of participants was 6.5; this year it was 12.9. A corresponding improvement in the quality of the Counts has of course resulted. While we are not trying to encourage the participation of large groups of untrained observers, there is ample opportunity for beginners, either single or in small groups, to accompany expert leaders until such time as they are qualified to serve as leaders themselves. This is the way in which most of the present Christmas Counters had their first bird-counting experience.

The Westport, Conn. group set a new record for total number of participants. They had 45 people in 19 field parties, plus an additional 89 at feeding stations making a total of 134. Los Angeles, Calif. had by far the most intensive coverage, with 93 observers in 43 field parties and 23 others watching their yards; this accounts for many of their very high tallies for certain species. In addition to intensive coverage of a large part of their 15-mile circle, the Los Angeles observers made counts in 18 sample plots distributed through the uncovered districts. From these samples they estimated total populations for the remainder of the circle. Although these estimates could not be included in the main part of their report, they are of considerable interest: 16,000 Mourning Doves, 31,000 Brewer's Blackbirds, 26,000 House Sparrows, 21,500 House Finches, and 77,000 individuals of 34 other species. The total population for the entire 15-mile circle was estimated to be 235,000 individuals.

Three other groups deserve special commendation for their fine coverage of their areas: Great Swamp—Watchung Ridges, N. J. with 88 observers; Toronto, Ont. with 74 observers; and Washington, D. C. with 73 participants.

Editorial policy.—Sincere thanks are expressed to the many participants who sent in contributions totaling $368.04 to help pay for the publication of this issue.

Christmas Count compilers are again reminded that we must adhere strictly to the announced dates and that coverage of less than 7 hours is not considered adequate except in the far north. Those who contemplate setting up new areas should bear in mind that only a few of the most outstanding new areas can be accepted for publication. Overlapping with other active areas must be avoided. New areas with similar birdlife to nearby existing areas are hard to justify, and in all cases more than the minimum coverage is strongly recommended.

If the "cross-out" forms are used again next year, please double-check every entry, be sure all information called for has been given, insert or append sufficient details of all rarities, and see that ***all***

species not recorded have been thoroughly deleted. This is very important because the presence of a single unrecorded species on your list will result in considerable resetting of type if the error is not detected in time by the weary eyes of the editors. We make one further plea to those compilers of the fair sex who have indulged in the use of lipstick for striking out unrecorded birds; if you can't use the kiss-proof kind *please* stick to red pencil or ink and spare our shirts!

The editor wishes to thank those compilers who took great pains to submit perfect reports. He is also very appreciative of the many letters commenting upon the unusual winter season and specific records of interest, and regrets that he cannot acknowledge each of these personally. The preparation of the present issue would not have been possible without the very able assistance of Professor Samuel A. Eliot, Jr., Mr. C. K. Nichols, Mr. Arnold Small, and Dr. John W. Aldrich in editing counts from their sections of the country.—C.S.R.

1. West Middle Sable, Nova Scotia (Matthews Lake and Hemeon Head to Sable River, 9-mile Road and 1 mi. N; 11.5 mi. between extremes; mixed woods, largely coniferous 42%, ocean shore 29%, sheltered brackish water 11%, sand beach 9%, scattered rural community, 9%).—Dec. 26; 7:30 a.m. to 1:37 p.m. and 2:07 to 5:00 p.m.; (owl, 8:00 p.m.). Ninety per cent cloudy; 1 brief, light shower; temp. 36° to 44° F.; wind W to NW, 5-10 m.p.h.; no frost, ice or snow. Two observers, one at feeding station, one traveling 28 miles (10 on foot, 17 by bicycle, 1 by car). Common Loon, 2; Horned Grebe, 4; European Cormorant, 42; Canada Goose, 350 (225±25, 125); Black Duck, 408 (200±20, 208); Greater Scaup, 27; Buffle-head, 15; Old-squaw, 4; Harlequin Duck, 5; Common Eider, 6; Ruffed Grouse, 1; Purple Sandpiper, 1; Great Black-backed Gull, 61; Herring Gull, 154; Horned Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 1; Horned Lark, 12; Gray Jay, 4; Blue Jay, 1; Common Raven, 4; Am. Crow, 17; Golden-crowned Kinglet, 5; Common Starling, 28; House Sparrow, 40; Pine Siskin, 2; White-winged Crossbill, 71; Slate-colored Junco, 28; Am. Tree Sparrow, 2; White-throated Sparrow, 2; Snow Bunting, 16. **Total,** 31 species; about 1317 individuals.—Laura N. Lewis, Harrison F. Lewis.

2. Montreal, Que. (Mount Royal, Angrignon Park, Montreal West, Cote St. Luc, Dorval, St. Helen's Island, Nuns' Island, Caughnawaga, south shore St. Lawrence from Mercier Bridge to Victoria Bridge, and north shore from Dorval to Victoria Bridge, Saraguay, Ahuntsic, Laval-des-Rapides).—Dec. 21; 8 a.m. to 5 p.m. Overcast; temp. 16° to 19°; wind E, 15 m.p.h.; 4-in. snow in open country; little ice on St. Lawrence River. Thirty-seven observers in 10 parties. Total party-hours, 48¾; total party-miles, 117 (48 on foot, 66 by car, 3 by boat). Canada Goose, 26; Mallard, 24; Black Duck, 784 (partly est.); Pintail, 165; Greater Scaup, 56; Am. Golden-eye, 547 (partly est.); White-winged Scoter, 1; Hooded Merganser, 2; Am. Merganser, 38; Goshawk, 1; Rough-legged Hawk, 4; Pigeon Hawk, 1 [no details—Ed.]; Sparrow Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 75 (est.); Great Black-backed Gull, 41; Herring Gull, 1053 (partly est.); Ring-billed Gull, 4; Horned Owl, 2; Short-eared Owl, 2; Yellow-shafted Flicker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 36; Blue Jay, 1; Am. Crow, 122 (100 est., 22); Black-capped Chickadee, 110; White-breasted Nuthatch, 12; Brown Creeper, 18; Winter Wren, 1 [no details—Ed.]; Am. Robin, 4; Hermit Thrush, 1; Ruby-crowned Kinglet, 1 (H.L.) [no further details—Ed.]; Gray Shrike, 2; Common Starling, 228 (not fully est.); House Sparrow, 273 (not fully est.); Purple Finch, 1; Common Redpoll, 71; Am. Goldfinch, 19; Am. Tree Sparrow, 41; Song Sparrow, 20. **Total,** 40 species; about 3801 individuals. (Seen in area Dec. 27: Red-winged Blackbird 1—C. C. Sait.)—B. C. Borden, Miss S. Boyer, W. J. Brown, J. D. Cleghorn, J. Delafield, P. du Boulay, Mrs. P. du Boulay, D. G. Elliot, Mrs. D. G. Elliot, D. Garneau, J. Goring, Miss G. Hibbard, A. Hipkins, Mrs. A. Hipkins, J. Howes, Mrs. M. Innes-Ker, A. Lepingwell, Mrs. A. Lofft, H. Longley, W. McBride, I. McLaren (compiler), G. H. Montgomery, Mrs. G. H. Montgomery, J. Normandin, C. J. Peake, W. H. Rawlings, Miss H. Ritchie, Mrs. P. Roberts, J. Robinson, D. Ryan, H. F. Seymour, G. Shearer, Dr. J. Summerby, L. M. Terrill, Mrs. L. M. Terrill, Miss W. E. Wilson, R. Yates (Prov. Que. Soc. for the Protect. of Birds).

3. Quebec, Que. (same area as in 1951; town suburbs 21%, fields 18%, coniferous forests 16%, deciduous woods 11%, mixed woodlands 21%, shores 13%).—Dec. 22; 7 a.m. to 4:30 p.m. Overcast; temp. 15° to 21°; wind NE, 8-10 m.p.h.; 4-6 inches of snow on ground; small rivers partly frozen, a few moving icefields on St. Lawrence River, thin ice. Seven observers in 6 parties. Total party-hours, 33 (30 on foot, 3 by car); total party-miles, 89 (34 on foot, 55 by car). Lesser Scaup, 1 (at 100 feet with binoculars —R. L.); Am. Golden-eye, 19; Ruffed Grouse, 9; Ring-necked Pheasant, 1; Iceland Gull, 10; Great Black-backed Gull, 2; Herring Gull, 242; Hairy Woodpecker, 6; Downy Woodpecker, 1; Blue Jay, 1; Am. Crow, 4; Black-capped Chickadee, 37; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 10; Golden-crowned Kinglet, 1; Cedar Waxwing, 42; Common Starling, 118; House Sparrow, 925; Evening Grosbeak, 22; Pine Grosbeak, 2; Common Redpoll, 73; Am. Tree Sparrow, 1. **Total,** 22 species; 1528 individuals. (Seen in area Dec. 15: Gray Shrike, 1.)—R. Cayouette (compiler), C. Délisle,

F. Hamel, J.-P. Laplante, L. Lemieux, R. Lepage, Ls.-A. Lord (La Société Zoologique de Québec.).

4. **Bancroft (Haliburton Co.), Ont.** (from Paudash L. north on hwy. 28 for 13 mi. to Bancroft; deciduous woods 40%, spruce and tamarack swamps 20%, town and suburbs 10%, farmland and pasture 30%).—Dec. 26; 8 a.m. to 3:30 p.m. Snowing hard in a.m., clearing in p.m.; temp. 28° to 25°; wind NE, 8-12 m.p.h.; 3-5-in. old snow in bush, 2-in. new snow, lake frozen, rivers open. One observer. Total hours, 7½ (5 on foot, 2½ by car), total miles, 42 (5 on foot, 37 by car). Hairy Woodpecker, 2; Downy Woodpecker, 1; Blue Jay, 5; Black-capped Chickadee, 12; White-breasted Nuthatch, 2; Common Starling, 6; House Sparrow, 16; Evening Grosbeak, 73; Common Redpoll, 307+ (7 flocks); Snow Bunting, 125. **Total,** 10 species; about 549 individuals.—Earl V. Stark.

5. **Barrie, Ont.** (½-circle east, north & west of Barrie within a radius of 7½ miles of the town, including Shanty Bay, Oro Beach, Craighurst, Midhurst, Angus, Camp Borden, Little Lake, Tollandal, Kempenfeldt Bay; 60% farm land, 10% sandy plain, 5% marsh, 10% shore, 5% town and suburbs, 10% woodlots).—Dec. 28; 8 a.m. to 5 p.m. Cloudy; temp. 5° to 22°; wind SW, light to 15 m.p.h.; 2 inches of snow. Fourteen observers in 6 parties. Total party-hours, 25 (7 on foot, 18 by car); total party-miles, 186 (16 on foot, 170 by car). Common Loon, 1; Am. Golden-eye, 7; Red-tailed Hawk, 1; Ruffed Grouse, 6; Herring Gull, 14; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 51; Black-capped Chickadee, 98; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 3; Brown Creeper, 2; Golden-crowned Kinglet, 3; Gray Shrike, 1; Common Starling, 84; House Sparrow, 140; Evening Grosbeak, 18; Hoary Redpoll, 2; Common Redpoll, 629; Pine Siskin, 10; Am. Goldfinch, 6; Red Crossbill, 15; Slate-colored Junco, 6; Am. Tree Sparrow, 154; Snow Bunting, 55. **Total,** 25 species; 1330 individuals. (Seen in area Dec. 27, Pileated Woodpecker; Dec. 29, Purple Finch, Cardinal, White-throated Sparrow.)—Mrs. J. L. Westman, Mr. & Mrs. R. S. Carman, W. A. Bell, Miss A. M. Hughes, Mrs. J. H. Cable, Mrs. J. Sheppard, Hugh Currie, Paul Crease, Harry Morren, Frank Munroe, A. Mitchener, R. F. Smith, Mr. Whiting.

6. **Blenheim (Kent Co.), Ont.** (7½-mile radius, centering 1 mi. south of Blenheim; Morpeth, Cedar Springs, Erie Beach, Erieau, Rondeau Park, Blenheim, Ridgetown; farmland 65%, lake-front 20%, deciduous woods 12%, cattail marsh 2%, town 1%).—Dec. 26; 8:30 a.m. to 5:15 p.m. Overcast with light snow flurries; temp. 26° to 34°; wind W to NW, 5-20 m.p.h.; blustery; no ice on Rondeau Bay or Lake Erie. Eleven observers in 3 parties. Total party-hours, 22 (13 on foot, 9 by car); total party-miles, 116 (22 on foot, 94 by car). Horned Grebe, 1; Mallard, 250; Black Duck, 1; Canvasback, 214; Greater Scaup, 14; Lesser Scaup, 1; Am. Golden-eye, 44; Buffle-head, 38; White-winged Scoter, 1; Am. Merganser, 220; Red-breasted Merganser, 14; Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 9; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 1; **Killdeer,** 20 (W.M.G., C.M.-A.); Spotted Sandpiper, 1 (H. Eng. & C.M.A.)—[no further details — Ed.]; **Sanderling,** 3 (L.G.B.); Great Black-backed Gull, 8; Herring Gull, 208; Ring-billed Gull, 1; **Bonaparte's Gull,** 2500±; Mourning Dove, 26; Horned Owl, 2; Long-eared Owl, 1; Downy Woodpecker, 12; Horned Lark, 1; Blue Jay, 7; Am. Crow, 235; Black-capped Chickadee, 1; **Tufted Titmouse,** 1 (at feeding station—H.B.W.); Red-breasted Nuthatch, 1; Brown Creeper, 1; **Eastern Bluebird,** 7 (H.B.W., H.E.); Golden-crowned Kinglet, 51; Common Starling, 65; House Sparrow, 1200±; Red-winged Blackbird, 10; Rusty Blackbird, 10; Brown-headed Cowbird, 200; Cardinal, 21; Am. Goldfinch, 4; Slate-colored Junco, 45; Am. Tree Sparrow, 265; Field Sparrow, 24 (C.M.A.); Song Sparrow, 1. **Total,** 48 species; 6199 individuals.—C. M. Anderson, J. A. Begg, L. J. Bohn, K. Davey, G. R. Driscoll, H. English, H. Evans, W. M. Gray, C. H. Lane, L. A. Miller, H. B. Wressell (compiler, Kent Nature Club).

7. **Hamilton, Ont.** (as in past years, a 7½-mile radius centering on York and Dundurn Sts., and including Stoney Creek, Mount Hope Airport, Ancaster, Mineral Springs, West Flamboro, Lake Medad and Port Nelson; farmland 38%, city and suburbs 12%, mixed woods 38%, lake and bay 11%, cattail marsh 1%).—Dec. 21; 8 a.m. to 5:30 p.m. Overcast, dull; very light intermittent drizzle, with heavy fog on upland areas; temp. 31° to 37°; wind NE, 9-14 m.p.h.; ground bare to 3 inches of snow; all water open except upland ponds. Sixty-five observers in 27 parties. Total party-hours, 133 (126 on foot, 7 by car); total party-miles, 299 (199 on foot, 100 by car). Common Loon, 1; Red-necked Grebe, 1; Horned Grebe, 1; Great Blue Heron, 2; **Mute Swan,** 2; **Mallard,** 108; **Black Duck,** 247; Redhead, 5; Canvasback, 1; **Greater Scaup,** 925; Lesser Scaup, 4; **Am. Golden-eye,** 405; **Buffle-head,** 41; Old-squaw, 2; **King Eider,** 1; **Hooded Merganser,** 18; **Am. Merganser,** 2000; Red-breasted Merganser, 47; Cooper's Hawk, 3; Red-tailed Hawk, 15; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 13; **Ruffed Grouse,** 15; Ring-necked Pheasant, 14; **Killdeer,** 2; **Purple Sandpiper,** 1 (J.B., W.G.); Glaucous Gull, 3; Iceland Gull (Kumlien's), 1; Great Black-backed Gull, 78; Herring Gull, 8700; **Ring-billed Gull,** 700; Bonaparte's Gull, 1; **Brünnich's Murre,** 2 (plus 2 dead); **Mourning Dove,** 20; Screech Owl, 1; Horned Owl, 7; Long-eared Owl, 1; **Belted Kingfisher,** 6; Yellow-shafted Flicker, 7; Hairy Woodpecker, 25; Downy Woodpecker, 80; Blue Jay, 83; Am. Crow, 2; Black-capped Chickadee, 474; White-breasted Nuthatch, 47; Brown Creeper, 22; Winter Wren, 9; Carolina Wren, 1 (J.B., W.G.); Am. Robin, 1; Golden-crowned Kinglet, 38; Water Pipit, 1; Cedar Waxwing, 46; Common Starling, 2000; **House Sparrow,** 2600; Red-winged Blackbird, 1; Cardinal, 104;

Evening Grosbeak, 1; Purple Finch, 22; Common Redpoll, 1; **Pine Siskin,** 145; Am. Goldfinch, 104; Slate-colored Junco, 391; Am. Tree Sparrow, 407; White-throated Sparrow, 2; **Swamp Sparrow,** 6; Song Sparrow, 26. **Total,** 68 species; about 20,043 individuals. (Seen in area Dec. 20: Common Yellowthroat, 1; Dec. 26: Pied-billed Grebe, 1; Pintail, 3; Ring-necked Duck, 1; White-winged Scoter, 2; Am. Scoter, 1; Goshawk, 1; Purple Grackle, 1; Dec. 30: Snowy Owl, 1; Dec. 31: Green-winged Teal, 1; Ivory Gull, 1; Black-legged Kittiwake, 1; Rusty Blackbird, 1; Jan. 1: Am. Coot, 1; Ivory Gull, 2; Jan. 2: Myrtle Warbler, 1.)—Edith Austin, Jas. L. Baillie, Eric W. Bastin, W. E. Benner, Neil Bourne, R. D. F. Bourne, Stella Brown, F. W. Buckle, Don Bucknell, Alex Burns, John D. Campbell, William I. Campbell, Winston Cheatley, Mrs. M. F. Clark, Sheila Clark, Janet Clarkson, K. J. Cox, John Cumming, D. Delzell, J. A. N. Dowall, R. O. Elstone, Dorothy Falladown, Leopold Fucikovsky, Leslie Gray, Miss L. Grightmire, W. W. H. Gunn, Ian Halladay, P. F. Henderson, Florence Holley, William Holley, Charles Hunter, Angus B. Jackson, H. E. Kettle, Barbara Laking, Leslie Laking, Margaret Lamb, H. Lemon, Betty LeWarne, Robert H. Lloyd, Ray N. Lowes, J. Mannheimer, C. Douglas McCallum, G. O. McMillan, Dorothy Jane Miller, John W. Moule, Gertrude Nelson, A. B. Nind, Laurel North, George W. North (compiler), Mrs. H. C. Nunn, James Nuttall, David K. Powell, Mrs. N. M. Robertson, Morley C. Sabine, Robert K. Sargeant, Eunice Smillie, Douglas Smith, Robert W. Smith, Laura Stewart, Gordon Sweatman, Anne Watson, Jane Watson, Mabel Watson, Mrs. M. R. Watters, J. H. Williams (Hamilton Nature Club).

8. Kingston, Ont. (7½-mile radius centering on MacDonald Park, Kingston, and including Cataraqui River and Creek, shores and waters of Lake Ontario and St. Lawrence River, Wolfe and adjacent Islands; farm land 30%, urban centers 4%, marshes 12%, water 30%, mixed woodlands 24%).—Dec. 21; 8 a.m. to 5 p.m. Overcast, with intermittent snow and rain in p.m.; temp. 32°; wind NE to SE, 15 m.p.h.; ground covered with 5-in. snow, deeper in drifts, marshes, rivers frozen, bays in L. Ontario largely open, St. Lawrence River open. Twelve observers in 4 parties. Total party-hours, 88 (40 on foot, 46 by car, 2 by boat); total party-miles, 316 (49 on foot, 263 by car, 4 by boat). Common Loon, 3; Horned Grebe, 5; Mallard, 2; Black Duck, 139; Ring-necked Duck, 3; Greater Scaup, 1; Am. Golden-eye, 827; Buffle-head, 1; White-winged Scoter, 3; Hooded Merganser, 7; Am. Merganser, 396; Rough-legged Hawk, 21; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 7; European Partridge, 13; Am. Coot, 4; Killdeer, 1; Glaucous Gull, 1; Great Black-backed Gull, 63; Herring Gull, 592; Ring-billed Gull, 34; Horned Owl, 3; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 5; Am. Crow, 2; Black-capped Chickadee, 63; White-breasted Nuthatch, 10; Hermit Thrush, 1; Common Starling, 523; House Sparrow, 317; Red-winged Blackbird, 10; Purple Grackle, 1; Brown-headed Cowbird, 20; Purple Finch, 3; Common Redpoll, 550; Am. Goldfinch, 10; Slate-colored Junco, 2; Am. Tree Sparrow, 54; Song Sparrow, 3; Snow Bunting, 75. **Total,** 43 species; 3784 individuals.—J. Argue, A. Bell, I. Boardman, J. Cartwright, K. Edwards, A. Hyde, I. Hyde, W. Lamb, S. Peters, F. Phillips, R. Stewart (compiler), G. Stirrett (Kingston Nature Club).

9. Kirkland Lake, Ont. (385 miles north of Toronto, 15 miles from the Arctic watershed; 7½-mile radius centering on a point on #11 highway one mile north of Dane; fields 20%, towns 5%, coniferous woods 30%, deciduous woods 35%, slimes 5%, cattail marsh 5%, and 3 feeding-stations).—Dec. 21, 7:45 a.m. to 5:45 p.m. Clear, becoming hazy in p.m.; temp. 2° to 19°; wind negligible; ground covered with 6-in. snow in the open (10-in. in the bush); lakes and rivers frozen; most streams frozen. Eighteen observers in 7 parties. Total party-hours, 43 (19½ on foot, 3½ by car, 20 at feeding stations); total party-miles, 106 (39 on foot, 67 by car). Ruffed Grouse, 5; Hairy Woodpecker, 7; Downy Woodpecker, 4; Gray Jay, 8; Blue Jay, 9; Black-capped Chickadee, 48; Brown-capped Chickadee, 11; Red-breasted Nuthatch, 18; House Sparrow, 65; Pine Grosbeak, 2; Common Redpoll, 178 (80±15, 98); White-throated Sparrow, 1 (at a feeding station); Snow Bunting, 35. **Total,** 13 species; about 391 individuals. (Seen recently in area: Hooded Merganser, Snowy Owl, Arctic Woodpecker, Gray Shrike, Common Starling.)—Mr. and Mrs. Albert Axcell, Mrs. E. Axcell, Margaret Beaudoin, Maurice Beaudoin, Allan Corbould, C. A. Elsey, Fred Helleiner (compiler), Elaine McClanahan, Mr. and Mrs. R. J. McClanahan, Jim Savage, Jack Stephenson, Jim Stephenson, Mr. and Mrs. J. G. Stephenson, C. W. Tully, Frank Washington (Kirkland Lake Nature Club).

10. Lindsay, Ont. (to Cambray and return, following McLaran's Creek and the Scagog River, chiefly swamp with poplar, spruce and white cedar, other mixed growth, road 35%, fields and pasture 30%, woods 35%).—Dec. 21; 7:25 a.m. to 5:10 p.m. Overcast, some sleet, 1 inch snow; temp. 23° to 27°; wind SE, 15+ m.p.h. One observer. Total hours, 9¾ (9¼ on foot, ½ by car); total miles, 35 (26 on foot, 9 by car). Ruffed Grouse, 7 (+ tracks of 2); Mourning Dove, 1; Downy Woodpecker, 2; Blue Jay, 1; Black-capped Chickadee, 22; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 2; Common Starling, 6; House Sparrow, 30 (est.); Common Redpoll, 19; Pine Siskin, 4; Snow Bunting, 180 (appr.). **Total,** 12 species; 275 individuals.—E. W. Calvert.

11. London, Ont. (same as last year).—Dec. 27; 8:30 a.m. to 4:30 p.m. Heavy snowfall (7 inches during day); temp. 15° to 25°; wind NW, 10 m.p.h. Thirty-six observers in 10 parties. Total party-hours, 72 (60 on foot, 12 by car); total party-miles, 125 (75 on foot, 50 by car). Mallard, 1; Black Duck, 12; Am. Golden-eye, 14; Am.

Merganser, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 9; Marsh Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Herring Gull, 57; Mourning Dove, 17; Horned Owl, 3; Belted Kingfisher, 5; Hairy Woodpecker, 11; Downy Woodpecker, 33; Horned Lark, 30; Blue Jay, 13; Am. Crow, 2; Black-capped Chickadee, 118; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 5; Brown Creeper, 12; Am. Robin, 4; Eastern Bluebird, 1; Golden-crowned Kinglet, 27; Cedar Waxwing, 18; Common Starling, 100; House Sparrow, 470+; Cardinal, 136; Purple Finch, 50; Common Redpoll, 112; Am. Goldfinch, 207; Eastern Towhee, 1; Slate-colored Junco, 158; Am. Tree Sparrow, 405; White-throated Sparrow, 3; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 31; Lapland Longspur, 17; Snow Bunting, 1. **Total,** 42 species; 2116 individuals.—Dr. & Mrs. C. Cline, Dr. & Mrs. R. C. Cummings, Mr. & Mrs. William Girling, Mr. & Mrs. J. William Leach, Mr. & Mrs. Fred McDonald, Marshall Field, D. Young, Charles & William Maddeford, James & Michael Fallona, J. C. Laugheon, Gretchen Lawton, Donald Pope, Lea Marsh, R. Standfield, Mary Jane Heighway, Carol Bycroft, Beryl Heathcote, W. D. Sutton, Charles Whitlaw, Ted Garside, Joan Mortimer, William Jarmain, Blanche Stauffer, Mr. & Mrs. J. Higgins, Paul Mackenzie, Fred Palmer, Bob Hollier, Peter Grant.

12. Peterborough, Ont. (7½-mile radius centering at Park and Charlotte Sts. and including 6 selected areas: Jackson Park—Lily Lake; Chemong Park area; Otonabee River—Little Lake; Burnham's Woods area; Warsaw Road and Stewart Hall area; deciduous woods 25%, coniferous woods 25%, open water 15%, marsh 10%, pasture land 10%, open farm land 15%).—Dec. 26; 9 a.m. to 2 p.m. Cloudy, light snowflurries; temp. 30° to 35°; wind WSW, 10-20 m.p.h.; little or no snow on ground: fresh water in river and lakes not frozen; traveled to areas by car; then parties on foot. Fifteen observers in 6 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 90 (26 on foot, 64 by car). Great Blue Heron, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 8; Herring Gull, 4; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 4; Black-capped Chickadee, 81; White-breasted Nuthatch, 1; Brown Creeper, 3; Golden-crowned Kinglet, 9; Common Starling, 38; House Sparrow, 123; Common Redpoll, 360+; Am. Goldfinch, 5; Slate-colored Junco, 8; Am. Tree Sparrow, 37. **Total,** 18 species; 688+ individuals.—Harry Graham, W. W. H. Gunn, James Johnston, G. R. Langley, Pete McGillen, Derek McKeever, Larry McKeever, Frank R. Pammett (compiler), Sidney Pammett, Morley Powell, Cam Rowatt, Mr. & Mrs. Dave Rymer, Ken Strasser, Eric Whiteley.

13. Pickering Twp. (Ontario Co.), Ont. (same as last year).—Dec. 26; 7:30 a.m. to 4:30 p.m. Overcast; temp. 24° to 28°; wind W to NW, 10-15 m.p.h.; woods powdered lightly with snow; creek open; ice forming on still water. Three observers in 1 party. Total party-hours, 9 (5 on foot); total party-miles, 5 (on foot). Red-tailed Hawk, 1; Ruffed Grouse, 1; Herring Gull, 6; Ring-billed Gull, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 10; Black-capped Chickadee, 15; White-breasted Nuthatch, 1; House Sparrow, 55; Cardinal, 4; Pine Siskin, 2; Am. Goldfinch, 10; Slate-colored Junco, 15; Am. Tree Sparrow, 4. **Total,** 15 species; 131 individuals.—Adele Hearn, Doris H. Speirs (compiler), J. Murray Speirs.

14. Point Pelee, Ont. (area from 1st concession of Mersea twp. south, comprising all of the Point; lake shore & beach 18%, marshland 17%, deciduous woods 30%, coniferous woods 25%, orchard 4%, agricultural land 6%).—Dec. 27; 8 a.m. to 4:30 p.m. Clear until mid-day, light scattered snow flurries to 2 p.m., clearing again to evening; wind NW, 15-18 m.p.h.; temp. 22° to 25°; no snow on ground; marshlands almost all frozen, some slush ice along west side of Point. Six observers in 4 parties. Total party-hours, 18 (2 by car, 16 on foot); total party-miles 55 (20 by car, 35 on foot). **Great Blue Heron,** 1; Mallard, 9; Black Duck, 4; **Greater Scaup,** 2; Am. Golden-eye, 15; Bufflehead, 6; Am. Merganser, 2; Red-breasted Merganser, 8; unidentified merganser, 120 (±10); Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 2; Marsh Hawk, 3; Ring-necked Pheasant, 13; **Killdeer,** 3; **Wilson's Snipe,** 1 (L.F., H.L.L., R.E.L.); Herring Gull, 175 (±50); Ring-billed Gull, 2; **Bonaparte's Gull,** 5; Horned Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 60 (±10); Am. Crow, 200 (±50); Black-capped Chickadee, 4; White-breasted Nuthatch, 1; **Red-breasted Nuthatch,** 3; Brown Creeper, 30 (±5); Winter Wren, 5; Carolina Wren, 3; Am. Robin, 8; **Hermit Thrush,** 1 (all observers); Eastern Bluebird, 15 (all observers); Golden-crowned Kinglet, 80 (±20); Ruby-crowned Kinglet, 1 (F.H., R.R.); Cedar Waxwing, 10; Common Starling, 10; Myrtle Warbler, 10 (all observers); House Sparrow, 45 (±10); Rusty Blackbird, 1 (V.E.L.); Cardinal, 35 (±5); Evening Grosbeak, 1 (F.H.); Purple Finch, 4; Am. Goldfinch, 30; Eastern Towhee, 3 (all observers); Slate-colored Junco, 11; Am. Tree Sparrow, 70 (±10); **White-throated Sparrow,** 7; Swamp Sparrow, 43; Song Sparrow, 5. **Total,** 48 species; about 1077 individuals. (Seen just outside area, Am. Crow, 300 est.; Brown-headed Cowbird, 1.)—Leroy Fulmer, Fred Helleiner, H. L. Lancaster (compiler), R. E. Lemon, V. E. Lemon, Robert Risebrough.

15. Port Arthur—Fort William, Ont. (same as last year).—Dec. 26; 9 a.m. to 5:30 p.m. Dull, snow flurries clearing by noon; temp. 23° to 3°; wind gusty, NW, 16 m.p.h.; ground bare to 3-in. snow; all water frozen except deeper water beyond mud flats in Lake Superior, waves breaking ice. Thirty observers in 14 parties. Total party-hours, 36 (22 on foot, 14 by car); total party-miles, 195 (31 on foot, 164 by car). Mallard, 4; Black Duck, 76; Marsh Hawk, 1; Ruffed Grouse, 7; European

Partridge, 8; Herring Gull, 47; Horned Owl, 2; Hairy Woodpecker, 2; Downy Woodpecker, 5; Gray Jay, 8; Blue Jay, 10; Common Raven, 24; Am. Crow, 5; Black-capped Chickadee, 118; Brown-capped Chickadee, 5; Red-breasted Nuthatch, 13; Common Starling, 242; House Sparrow, 759; Evening Grosbeak, 39; Pine Grosbeak, 654; Common Redpoll, 379; Pine Siskin, 23; Red Crossbill, 8. **Total,** 23 species; 2438 individuals. (Seen in area Dec. 20 and 31, Am. Golden-eye, 25; Dec. 21, Snowy Owl, 1; Am. Tree Sparrow, 1; Dec. 24, Pileated Woodpecker, 1; Dec. 30, Bohemian Waxwing, 24; Dec. 24, Purple Finch, 1).—Mr. & Mrs. P. Addison, W. Addison, Dr. A. E. Allin, M. J. Armstrong, Mr. & Mrs. W. D. Beckett, Mr. & Mrs. R. M. Beckett, David Bianco, Clive Brown, H. K. Campbell, K. Denis (compiler), N. Denis, Mr. & Mrs. K. Eoll, Capt. A. E. Fader, C. E. Garton, Mr. & Mrs. J. Hanton, Mrs. W. M. Knowles, Mr. & Mrs. J. Murie, Dr. & Mrs. H. Quackenbush, W. Robinson, Mrs. C. Rydholm, I. Sherlock, L. Slichter, J. Thompson (Thunder Bay Field Naturalists' Club).

16. St. Thomas, Ont. (same area as last year but in addition, lake shore from Port Bruce to Port Burwell; creek valley 37%, harbors and lake shore 38%, deciduous woodlots 5%, coniferous groves 5%, town suburbs 10%, pasture 5%).—Dec. 21; 6 a.m. to 5:30 p.m. Overcast; temp. 33° to 36°; wind NE to E, 10-15 m.p.h.; most ponds frozen, but all fast running streams open. Lake Erie completely clear of ice; ground bare except for trace of snow in protected areas. Thirty observers in 9 parties. Total party-hours, 66 (55 on foot, 11 by car); total party-miles, 235 (37 on foot, 198 by car). Great Blue Heron, 1; Canada Goose, 277; Mallard, 138; Black Duck, 211; Green-winged Teal, 2; Am. Golden-eye, 24; Ruddy Duck, 2; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Bald Eagle, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 2; Killdeer, 1; Great Black-backed Gull, 1; Herring Gull, 767; Ring-billed Gull, 71; Bonaparte's Gull, 83; Mourning Dove, 16; Horned Owl, 3; Long-eared Owl, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 51; Blue Jay, 36; Black-capped Chickadee, 88; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 3; Brown Creeper, 12; Carolina Wren, 1; Am. Robin, 4; Eastern Bluebird, 3; Golden-crowned Kinglet, 40; Common Starling, 323; House Sparrow, 707; Cardinal, 106; Purple Finch, 19; Pine Siskin, 2; Am. Goldfinch, 69; Vesper Sparrow, 1; Slate-colored Junco, 176; Am. Tree Sparrow, 641; Chipping Sparrow, 1; Field Sparrow, 15; White-crowned Sparrow, 12; White-throated Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 30; Snow Bunting, 13. **Total,** 54 species; about 4030 individuals. (Seen in area Dec. 22, Brown-headed Cowbird; Dec. 28, Am. Crow).—Mr. and Mrs. E. Allan, L. Auckland, C. Bartlett, Miss F. Bell, Mr. and Mrs. F. Bell, Mrs. R. Coombs, J. Dunn, J. Field, M. Field (compiler), R. Foster, W. Girling, B. Henry, H. Lancaster, Mr. and Mrs. J. Leach, J. Lemon, F. Lewis, Miss R. Marr, Mr. and Mrs. J. Marr, I. McKay, D. Neill, B. Rankin, J. Robertson, J. Ronald, V. Smith, W. Stewart, D. Young (St. Thomas Field Naturalists Club).

17. Toronto, Ont. (7½-mile radius centering on Lytton Blvd. and Avenue Road, and including Toronto Island, Lake front from Mimico Creek to Fallingbrook Road, Humber River north to ¼-mile south of Thistletown, Don River north to Thornhill; lake surface 10%, city 25%, city suburbs 30%, farm land 25%, coniferous-deciduous woodlots 8%, marsh 2%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Overcast to cloudy; temp. 5° to 28°; wind SW to W, 6 to 23 m.p.h.; trace of snow on ground; Lake and most rivers open; ponds frozen. Seventy-four observers in 16 parties. Total party-hours, 96 (91 on foot, 5 by car); total party-miles, 145 (93 on foot, 52 by car). Pied-billed Grebe, 1; Great Blue Heron, 3; Mallard, 700; Black Duck, 1164; Pintail, 2; Shoveller, 1; Greater Scaup, 1544; Lesser Scaup, 2; Am. Golden-eye, 186; Buffle-head, 49; Old-squaw, 308; Am. Merganser, 73; Red-breasted Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 28; Ruffed Grouse, 1; Ring-necked Pheasant, 137; Am. Coot, 1; Killdeer, 1; Am. Woodcock, 1; Wilson's Snipe, 2; Glaucous Gull, 1; Iceland Gull, 1; Great Black-backed Gull, 16; Herring Gull, 1167; Ring-billed Gull, 48; Screech Owl, 3; Horned Owl, 8; Snowy Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Hairy Woodpecker, 22; Downy Woodpecker, 154; Blue Jay, 53; Am. Crow, 1; Black-capped Chickadee, 438; White-breasted Nuthatch, 60; Brown Creeper, 41; Winter Wren, 5; Am. Robin, 12; Hermit Thrush, 1; Golden-crowned Kinglet, 64; Cedar Waxwing, 23; Gray Shrike, 1; Common Starling, 3014; Orange-crowned Warbler, 1; Myrtle Warbler, 1; House Sparrow, 1311; Red-winged Blackbird, 2; Brown-headed Cowbird, 1; Cardinal, 109; Purple Finch, 13; Pine Grosbeak, 2; Common Redpoll, 7; Pine Siskin, 128; Am. Goldfinch, 280; Slate-colored Junco, 658; Oregon Junco, 4; Am. Tree Sparrow, 597; Field Sparrow, 2; White-throated Sparrow, 7; Swamp Sparrow, 9; Song Sparrow, 74; Snow Bunting, 1. **Total,** 69 species; about 11,574 individuals.—R. Anderson, J. L. Baillie (compiler), H. Bain, H. Barnett, T. Barnett, Robert & Ross Bateman, D. Beacham, F. Bodsworth, O. D. Boggs, A. Bunker, D. Burton, L. Butcher, G. Clark, Vera Clark, Arnold Dawe, O. E. and Mrs. Devitt, Mildred Easto, F. H. Emery, J. Fawn, G. Giles, C. Goodwin, A. Gordon, Phyllis, W. M., and W. W. H. Gunn (compiler), J. Hallam, F. Helleiner, C. E. Hope, R. James, R. Knights, G. Lambert, A. Lamsa, C. Leavens, B. F. & Mrs. Levay, J. Livingston, Margaret Marsh, N. Martin, T. F. McIlwraith, D. S. Miller, W. Milne, C. Molony, F. Mueller, A. A. Outram, R. Pannell, A. Reid, H. Richard, D. Ripley, T. Russell, D. Scovell, R. Scovell, Dr. R. Sennett, J. Sherrin, T. M. Shortt, D. A. Smith, F. Smith, G. Smith, W. W.

Smith, H. Southam, Joan Sterling, Ruth Stewart, D. Sumner, S. L. Thompson, E. Thorn, R. D. & Mrs. Ussher, L. Walden, W. Wasserfall, E. Welch, J. D. West, W. Williams, M. Wood (Brodie Club members and friends).

18. West Elgin, Ont. (area within 7½-mile radius centered one mile north of West Lorne; agricultural land 8%, pasture land 8%, river banks and creek gullies 40%, deciduous woods 18%, conifer groves 1%, lake front 20%, feeding stations 5%).—Dec. 26; 7:30 a.m. to 5 p.m. Cloudy; light, fine snow falling from 10 to 11:30; temp. 24° to 27°; wind SW, 15 m.p.h.; no snow on ground; Thames River and Lake Erie free of ice. Twenty-seven observers, 21 in 8 parties, plus 6 at 5 feeding stations. Total party-hours, 53 (49 on foot, 4 by car); total party-miles, 107 (67 on foot, 40 by car). **Canada Goose,** 12; Mallard, 2; Black Duck, 5; Am. Golden-eye, 89; Am. Merganser, 1; Hooded Merganser, 1; unidentified duck, 10; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; unidentified buteo, 1; Bald Eagle, 5; Marsh Hawk, 2; Sparrow Hawk, 1; **Bob-white,** 34; Ring-necked Pheasant, 10; Ruffed Grouse, 4; **Killdeer,** 4 (M.F., R.E.L.); Herring Gull, 51; Ring-billed Gull, 4; **Bonaparte's Gull,** 3 (R.E.L., V.E.L.); Mourning Dove, 89; Screech Owl, 3; Horned Owl, 4; **Snowy Owl,** 1 (D.M., J.P.); Yellow-shafted Flicker, 5 (J.D., M.F., R.E.L.); Pileated Woodpecker, 2 (J.D., M.F., W.G., J.L., D.M.); Red-bellied Woodpecker, 4 (J.L., W.G., D.M.); Downy Woodpecker, 48; Hairy Woodpecker, 13; Horned Lark, 39 (including 5 Northerns—W.G., J.L., D.M.); Blue Jay, 36; Am. Crow, 171 (160±10, 11); Black-capped Chickadee, 39; White-breasted Nuthatch, 12; Brown Creeper, 8; Am. Robin, 26 (J.D., M.F., R.E.L., Mr. & Mrs. H.M.); Hermit Thrush, 2 (R.E.L., L.F., H.L.L.); Golden-crowned Kinglet, 23; Common Starling, 136; House Sparrow, 865 (±50); Brown-headed Cowbird, 1 (J.D., M.F.); Cardinal, 202; Purple Finch, 32; Common Redpoll, 2; **Pine Siskin,** 17; Am. Goldfinch, 225 (±10); Eastern Towhee, 2 (J.L., W.G., D.M.); Slate-colored Junco, 200 (±15); Am. Tree Sparrow, 460 (±25); **Field Sparrow,** 1 (L.F., H.L.L.); White-throated Sparrow, 8 (J.D., M.F., R.E.L., J.L., W.G., D.M.); **Fox Sparrow,** 4 (L.F., H.L.L., J.D., M.F., Mr. & Mrs. H.M.); Song Sparrow, 25; **Lapland Longspur,** 2 (J.L., W.G., D.M.); Snow Bunting, 24. **Total,** 55 species; about 2984 individuals.—J. Arnold, E. Backus, J. Dunn, W. Fawcett, M. Field, L. Fulmer, Wm. Girling, H. L. Lancaster, J. Leach, J. T. Lemon, R. E. Lemon, V. E. Lemon, G. Martelle, Mrs. Wm. McCullough, David Murray, Donald Murray, Dougald Murray, Donald Mylrea, E. Mylrea, Mr. & Mrs. H. Mylrea, K. Mylrea, Miss E. Newlands, J. Popovich, E. Sifton, M. Sifton, D. Steele (West Elgin Nature Club, McIlwraith Ornithological Society of London and St. Thomas Field-Naturalist Club).

19. Westport, Ont. (7½-mile radius centering on the village municipal office, Westport; farm land 15%, lakes 20%, marshes 5%, deciduous woodland 40%, mixed woodland 18%, red cedar groves 2%).—Dec. 21; 8 a.m. to 5:30 p.m. Cloudy; temp. 20° to 30°; wind E, 10-15 m.p.h.; ground covered with 3-in. snow; marshes, lakes, and some rivers frozen. Six observers in 4 parties. Total party-hours, 14 (9 on foot, 5 by car); total party-miles, 52 (15 on foot, 37 by car). Great Blue Heron, 1; Ring-necked Duck, 1; Bald Eagle, 1; Ruffed Grouse, 5; Herring Gull, 12; Ring-billed Gull, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 4; Black-capped Chickadee, 139; White-breasted Nuthatch, 4; Common Starling, 9; House Sparrow, 65; Purple Finch, 1; Common Redpoll, 200; Slate-colored Junco, 21; Am. Tree Sparrow, 60. **Total,** 20 species; 545 individuals.—H. B. Arnold, D. Crawford, R. Hogaboam, R. Lockhart, A. M. Strong (compiler), J. Tett.

20. Yorkton, Sask. (7½-mile radius centering on Yorkton; same area as previous years with more thorough coverage).—Dec. 26; 9 a.m. to 5 p.m. Overcast; temp. 11° to 22°; wind SSE to NE, 10-12 m.p.h.; ground covered with 2-in. snow. Twenty-four observers in 6 parties. Total party-hours, 27 (17 on foot, 10 by car); total party-miles, 173 (29 on foot, 144 by car). Ruffed Grouse, 6; Sharp-tailed Grouse, 52; European Partridge, 18; Horned Owl, 2; Hairy Woodpecker, 1; Downy Woodpecker, 6; Gray Jay, 1; Blue Jay, 1; Am. Magpie, 30; Black-capped Chickadee, 63; Am. Robin, 1 (S.H.); Bohemian Waxwing, 29; House Sparrow, 1030 (est.); Brewer's Blackbird, 1 (present since fall, B.C., D.W.); Pine Grosbeak, 15; Common Redpoll, 96 (est.); Slate-colored Junco, 1 (B.C.); Snow Bunting, 520 (est.). **Total,** 18 species; 1873 individuals. (Seen in area Dec. 24, Snowy Owl.)—Norma Beck, Henry Chilman, Brother Clarence, Lionel Coleman, Ronald Coleman, Dr. C. J. Houston, Dr. and Mrs. Stuart Houston (compilers), Dr. and Mrs. C. W. Lightbody, Allan Nurse, Jack Park, Tony Pawluck, Gordon Pearce, Greg Pearce, Irving Pearce, Wayne Pearce, Ray Riesz, Cliff Shaw, Jeff Smith, Frank Switzer, Gillean Switzer, D'Arcy Wershler, Merril Switzer (Yorkton Natural History Society).

21. College, Alaska (6 miles W of Fairbanks) (transect from College to Cleary Summit on the Steese Highway and return; also, vicinity of Smith Lake, ski trail by Country Club and Noyes Slough; 90% small-diameter spruce-birch-aspen forest, remainder open farm land or areas of placer mining). Cleary Summit (2800 ft.) is at timberline.—Dec. 26; 8 a.m. to 2 p.m. Partly cloudy; sunrise 9:58 a.m., sunset 1:45 p.m.; temp. 0° to 20° F.; wind S, 0-5 m.p.h.; ground covered with 1 to 10 inches of snow. Eight observers in 5 parties. Total party-hours, 15¼ (11¾ on foot, 3½ by car); total party-miles, 60 (20 on foot, 40 by car). Ruffed Grouse, 3; Rock Ptarmigan, 4; ptarmigan (probably Willow), 6; Gray Jay (Alaskan), 5; Common Raven, 5; Black-capped Chickadee, 26; Brown-

capped Chickadee, 3; Pine Grosbeak, 10; Common Redpoll, 18. **Total,** 8 species; 80 individuals.—J. L. Buckley (compiler), J. Cahill, D. R. Klein, C. J. Lensink, W. L. Libby, H. A. Roberts, R. O. Skoog, F. J. Wojcik (University of Alaska).

22. Bristol and Damariscotta, Me. (west shore of Muscongus Bay from Pemaquid Point to Long Cove, Muscongus Harbor, Route #32 to Turner Rd., Bremen, south shore of Broad Cove, Turner Road [1 mile only], Biscay Pond Road, Damariscotta River at Damariscotta; rocky shore 40%, open grass land 20%, coniferous forest 20%, deciduous woodland 10%, salt river 5%, roadsides 5%, and one feeding station in Damariscotta).— Dec. 26; 6:30 a.m. to 4:30 p.m. Partly cloudy; temp. 35° to 42°; wind W, 10-20 m.p.h.; ground clear of snow, fresh water open except in a few shaded coves. Four observers (3 in 1 party, and 1 at feeding station). Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 44 (5 on foot, 39 by car). Common Loon, 27; Red-necked Grebe, 8; Gannet, 1; European Cormorant, 5; Great Blue Heron, 1; Canada Goose, 17; Mallard, 5; Black Duck, 29; Am. Golden-eye, 119; Buffle-head, 102; Old-squaw, 176; Common Eider, 103; White-winged Scoter, 1; Am. Scoter, 2; Red-breasted Merganser, 24; Purple Sandpiper, 25; Great Black-backed Gull, 41; Herring Gull, 230; Black-legged Kittiwake, 82; Razor-billed Auk, 19; Black Guillemot, 7; Belted Kingfisher, 2; Hairy Woodpecker, 4; Downy Woodpecker, 3; Blue Jay, 15; Common Raven, 1; Am. Crow, 41; Black-capped Chickadee, 7; White-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 2; Common Starling, 29; Evening Grosbeak, 35; Common Redpoll, 15; Pine Siskin, 4; Am. Goldfinch, 20; White-winged Crossbill, 29; Am. Tree Sparrow, 3; Song Sparrow, 2. **Total,** 39 species; 1239 individuals. (Seen Dec. 27 at feeding station: Purple Finch, 1.)—Maurice Day, Mark L. Libby, Robert B. Buxton (compiler); Marguerite E. Buxton (at feeding station).

23. Brunswick, Me. (7½-mile radius centered west of Gurnet, including Mere Point, Harpswell, Orr's Island, Bailey's Island, Cundy's Harbor, Howard Point, Topsham; town suburbs 10%, coniferous and deciduous wood-lots 20%, cleared fields 25%, salt-water bays and inlets 45%).—Dec. 21; 6:45 a.m. to 4:30 p.m. Overcast; temp. 15° to 26°; wind NW, 2-10 m.p.h.; ground frozen, bays and inlets open. Twenty-one observers in 7 parties. Total party-hours, 34 (15 on foot, 19 by car); total party-miles, 151 (27 on foot, 124 by car). Common Loon, 6; Red-necked Grebe, 3; Horned Grebe, 172; European Cormorant, 12; Great Blue Heron, 3; Canada Goose, 22; Black Duck, 293; scaup, 38; Am. Golden-eye, 613; Buffle-head, 8; Old-squaw, 70; White-winged Scoter, 5; Surf Scoter, 37; Am. Scoter, 8; Am. Merganser, 42; Red-breasted Merganser, 40; Rough-legged Hawk, 1; Bald Eagle, 3; Marsh Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 1; Purple Sandpiper, 25; Great Black-backed Gull, 21; Herring Gull, 2347; Brünnich's Murre, 1; Horned Owl, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 14; Blue Jay, 59; Am. Crow, 233; Black-capped Chickadee, 55; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 10; Brown Creeper, 4; Am. Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 572; Myrtle Warbler, 76; House Sparrow, 126; Eastern Meadowlark, 5; Red-winged Blackbird, 1; Brown-headed Cowbird, 126; Evening Grosbeak, 14; Purple Finch, 2; Common Redpoll, 77; Pine Siskin, 41; Am. Goldfinch, 3; Red Crossbill, 5; White-winged Crossbill, 2; Slate-colored Junco, 10; Am. Tree Sparrow, 67; White-throated Sparrow, 3; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 11; Snow Bunting, 1. **Total,** 61 species; 5337 individuals. (Seen in area both before and after Dec. 21: Wilson's Snipe, 1.)—C. Benson, R. B. Buxton, A. P. & W. A. Daggett, N. Dane II (compiler), N. Dane III, V. L. Fortin, Jr., R. Gorham, W. H. & H. F. Grieg, D. S. Hartman, M. Libby, M. C. Morse, Jr., J. M. Moulton, C. M. Packard, E. Pols, C. W. Ring, O. Sadler, H. S. Shaw, W. Taber, F. B. Whitman.

24. Leeds, Me. (surrounding vicinity bounded on the west by the Androscoggin River, on the north by the county line, on the east by Androscoggin Lake, and on the south by the Greene town line; mixed hardwood 10%, mixed conifers 10%, swamp 5%, fields 35%, pasture 5%, cut-over woodland 35%).—Dec. 28; 8:30 a.m. to 4:30 p.m. Clear; temp. 15° to 32°; wind NW, 5-15 m.p.h.; not over an inch of crusted snow, many fields bare, river frozen except at rapids, lakes open in spots. Two observers in 1 party. Total party-hours, 8 (4½ on foot, 3½ by car); total party-miles, 88 (8 on foot, 80 by car). Am. Golden-eye, 5; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 11; Am. Crow, 5; Black-capped Chickadee, 51; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Brown Creeper, 2; Golden-crowned Kinglet, 16; Common Starling, 1; House Sparrow, 10; Common Redpoll, 355+; Pine Siskin, 4; Am. Tree Sparrow, 40; **Total,** 18 species; about 517 individuals.—Douglass H. Morse, M. C. Morse, Jr.

25. Webster Corner, Me. (surrounding vicinity with Androscoggin River the western boundary, county line on south and east, and Sabattus River and Lake on north; mixed hardwood 40%, mixed conifers 10%, swamp 12%, fields 10%, pasture 8%, cut-over woodland 20%).—Dec. 22; 8 a.m. to 4 p.m. Overcast; temp. 25° to 28°; wind NE, 5-20 m.p.h.; a trace of snow in sheltered spots, fields mostly bare; river frozen except at Lisbon Falls. Two observers in 2 parties. Total party-hours, 14 (11½ on foot, 2½ by car); total party-miles, 80 (20 on foot, 60 by car). Sharp-shinned Hawk, 1; Ruffed Grouse, 27; Ring-necked Pheasant, 1; Herring Gull, 27; Mourning Dove, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 7; Am. Crow, 7; Black-capped Chickadee,

167; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 51; Brown Creeper, 3; Golden-crowned Kinglet, 24; Gray Shrike, 2; Common Starling, 2; House Sparrow, 1; Brown-headed Cowbird, 1; Common Redpoll, 200+; Red Crossbill, 1; White-winged Crossbill, 15; Am. Tree Sparrow, 3; Snow Bunting, 2. **Total,** 24 species; 553+ individuals. Lack of snow accounts for unusual records (Mourning Dove & Brown-headed Cowbird). (Seen in area Dec. 20: Evening Grosbeak, 5; Pine Siskin, 30; Am. Goldfinch, 1; Slate-colored Junco, 5.)—Douglass Morse, M. C. Morse, Jr.

26. York and Wells, Me. (10-mile diameter, Cape Neddick to Drake's Island; rocky headlands covered with conifers and some hardwoods 40%, beach, salt marsh, and salt creeks 60%).—Dec. 26; 6:40 a.m. to 3:50 p.m. High overcast, clearing in afternoon; temp. 27° to 35°; wind NW, 8 m.p.h. increasing to 24 m.p.h.; fresh water frozen. Four observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 47 (3 on foot, 44 by car). Common Loon, 44; Red-throated Loon, 1; Red-necked Grebe, 50; Horned Grebe, 38; European Cormorant, 4; Mallard, 1; Black Duck, 43; Am. Golden-eye, 258; Buffle-head, 6; Old-squaw, 160; Common Eider, 322; White-winged Scoter, 30; Surf Scoter, 34; Am. Scoter, 6; Red-breasted Merganser, 34; Ring-necked Pheasant, 2; Purple Sandpiper, 20; Sanderling, 21; Great Black-backed Gull, 20; Herring Gull, 400; murre (sp.), 1; Hairy Woodpecker, 1; Horned Lark, 45; Blue Jay, 12; Am. Crow, 41; Black-capped Chickadee, 33; Golden-crowned Kinglet, 3; Common Starling, 1625; Myrtle Warbler, 3; Palm Warbler, 1; House Sparrow, 5; Evening Grosbeak, 2; Common Redpoll, 84; Pine Siskin, 21; Am. Goldfinch, 2; Slate-colored Junco, 1; Am. Tree Sparrow, 11; Song Sparrow, 2. **Total,** 38 species; 3387 individuals.—Christopher M. Packard, R. T. Paine III, O. M. Root, W. Taber.

27. Coastal New Hampshire (7½-mile radius to include Hampton-Seabrook Harbor, Portsmouth, Great Bay and Exeter; ocean 20%, bays 15%, open land 15%, marsh 5%, brush 15%, mixed woods 20%, suburban 10%).—Dec. 28; 7:45 a.m. to 4:15 p.m. Clear; temp. 6° to 18°; wind NW, 6-10 m.p.h.; ground mostly bare; Great Bay mostly open. Eight observers in 4 parties. Total party-hours, 31½ (24 on foot, 7½ by car); total party-miles, 110 (20 on foot, 90 by car). Common Loon, 42; Red-throated Loon, 5; Red-necked Grebe, 5; Horned Grebe, 37; European Cormorant, 2; Canada Goose, 875; Black Duck, 420; Greater Scaup, 60; Am. Golden-eye, 390; Buffle-head, 36; Old-squaw, 35; White-winged Scoter, 35; Surf Scoter, 13; unidentified scoters, 141; Am. Merganser, 10; Red-breasted Merganser, 26; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 1; Virginia Rail, 3; Red-backed Sandpiper, 60; Glaucous Gull, 1; Black-backed Gull, 20; Herring Gull, 821; Mourning Dove, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 76; Blue Jay, 26; Am. Crow, 106; Black-capped Chickadee, 92; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; wren (sp.), 1; Am. Robin, 1; Hermit Thrush, 1; Common Starling, 362; House Sparrow, 36; Eastern Meadowlark, 11; Evening Grosbeak, 48; Purple Finch, 8; Pine Siskin, 8; Am. Goldfinch, 37; Savannah Sparrow, 1; Slate-colored Junco, 17; Am. Tree Sparrow, 43; Fox Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 7. **Total,** 50 species; about 3956 individuals. (Seen in area Dec. 20: Razor-billed Auk, 2; Common Redpoll, 3.)—Robert Delancey, Clara de Windt (records of Dec. 20 only), Kimball Elkins, Davis and Eugene Finch, Mr. and Mrs. Norman L. Hatch, Mrs. and Mr. Tudor Richards (compiler).

28. Concord, N. H. (7½-mile radius including Penacook, Loudon, Hooksett and Hopkinton; open water 10%, mixed woods 50%, brush 10%, open land 10%, suburban 20%).—Dec. 20; 6:45 a.m. to 5:30 p.m. Clear; temp. 10° to 20°; wind NW, 0-2 m.p.h.; ground covered with snow in thin patches; all bodies of water frozen except a little of Long Pond and most of the Merrimack River. Ten observers in 4 parties. Total party-hours, 30½ (20½ on foot, 10 by car), total party-miles, 190 (12 on foot, 178 by car). Pied-billed Grebe, 1; Black Duck, 24; Am. Golden-eye, 11; Hooded Merganser, 1; Am. Merganser, 26; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 4; Glaucous Gull, 1; Herring Gull, 39; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 74; Am. Crow, 147; Black-capped Chickadee, 152; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 5; Brown Creeper, 2; Winter Wren, 1; Golden-crowned Kinglet, 8; Gray Shrike, 1; Common Starling, 381; House Sparrow, 155; Evening Grosbeak, 31; Common Redpoll, 123; Pine Siskin, 6; Slate-colored Junco, 25; Oregon Junco, 1; Am. Tree Sparrow, 141; Song Sparrow, 8; Snow Bunting, 3. **Total,** 33 species; about 1400 individuals.—Mr. and Mrs. Bradley Baker, Mr. and Mrs. Vincent Haydn, Adelma LaJoie, Frances McFarland, Pauline Morton, Mr. and Mrs. Tudor Richards, Natalie Webb.

29. Dummer Hill in Dummer and Stark, N. H. (open fields and Canadian forest).—Dec. 28; 8 a.m. to 3:30 p.m. Clear to partly cloudy; temp. -2° to 6°; wind NW, 15 m.p.h.; ground covered with 10-24 in. snow. One observer. Ruffed Grouse, 2; Black-capped Chickadee, 42; Red-breasted Nuthatch, 6; Golden-crowned Kinglet, 15; Pine Grosbeak, 1. **Total,** 5 species; 66 individuals.—S. K. Harris.

30. Laconia-New Hampton, N. H. (7½-mile radius including Meredith, Governor's Island, Gilford, and Silver Lake, Tilton; open lake and river 45%, mixed woods 25%, open fields 5%, suburban 25%).—Dec. 27; 7 a.m. to 5 p.m. Partly cloudy with snow squalls; temp. 26° to 36°; wind SW, 10 m.p.h.; ground covered with 1-2 in. crusted snow. All large lakes open except for small coves; small ponds thinly frozen. Sixteen observers, 4

afield in 1 party, the rest at their homes. Total party-hours, 10 (3 on foot, 7 by car), total party-miles, 62 (2 on foot, 60 by car). Common Loon, 2; Horned Grebe, 10; Mallard, 1; Black Duck, 8; Am. Golden-eye, 337 (150 est., 187); Am. Merganser, 325; Ring-necked Pheasant, 1; Herring Gull, 56; Hairy Woodpecker, 8; Downy Woodpecker, 7; Blue Jay, 27; Am. Crow, 13; Black-capped Chickadee, 89; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 2; Common Starling, 39; House Sparrow, 97; Baltimore Oriole, 1 (Conway); Evening Grosbeak, 37; Common Redpoll, 22; Pine Siskin, 6; Am. Goldfinch, 30; Slate-colored Junco, 17; Am. Tree Sparrow, 55; Field Sparrow, 1 (L.M.W.); White-throated Sparrow, 1; Fox Sparrow, 4. **Total,** 29 species; about 1216 individuals.—Charlotte Baldi, Anne Champeau, Barbara Chase, Mrs. James Conway, Ethel Emmons, Bessie Gerry, Della Harvey, Louise Hubbard, Elizabeth Hubbard, Elizabeth Lancaster, Clarence Merrill, Pauline Merrill, Blanche Noyes, Mildred Pitman, Lucille Wallace, Vera Wallace (compiler).

31. **Bennington, Vt.** (a strip 2 or 3 miles wide and 11 miles long, including Bennington village, 4 feeding stations, and 4 miles of Walloomsac River, from the lower slope of the Green Mts. northwestward to the foothills of the Taconic Mts.; fields 30%, woods 25%, riverbanks 20%, feeding stations 25%).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 0° to 16°; wind W, 2-3 m.p.h.; ground bare except spots of crusted snow. Ten observers in 6 parties. Total party-hours, 44 (36 on foot, 8 by car); total party-miles, 99 (16 on foot, 83 by car). Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 13; Ring-necked Pheasant, 4; Herring Gull, 4; Horned Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 9; Blue Jay, 20; Am. Crow, 8; Black-capped Chickadee, 67; White-breasted Nuthatch, 17; Am. Robin, 1; Common Starling, 97; House Sparrow, 224; Dickcissel, 1; Evening Grosbeak, 4; Common Redpoll, 28; Pine Siskin, 29; Am. Goldfinch, 38; Slate-colored Junco, 3; Am. Tree Sparrow, 34. **Total,** 25 species; 614 individuals. (On Dec. 16, an uninjured Brünnich's Murre was taken alive, and released the following day.)—Henrietta & Dorothy Barrow, Mrs. Catharine Foster, Thomas Foster, Erna Camradt, Mrs. Stella Higgins, John Johnson, Mrs. Margery Ludlow, C. Howard Nash, Lucretius H. Ross (compiler).

32. **Burlington, Vt.** (6-mile radius centering at College Street, including the lake shore from Shelburne Point to Barney Point; Red Rocks, Rock Point, the Intervale, and a small residential area; open lake and adjacent shore 52%, open fields 8%, residential 12%, brush and marsh 8%, coniferous woods 20%).—Dec. 20; 7 a.m. to 5p.m. Clear, the first fine day after bad storms; temp. 4° to 26°; wind E to S, 2-7 m.p.h.; ground covered with 5 in. hard crusted snow. Lake open but steaming heavily in a.m. Four observers in 4 parties. Total party-hours, 24 (23 on foot, 1 by car), total party-miles, 52 (36 on foot, 16 by car). Common Loon, 1; Horned Grebe, 24; Mallard, 3; Black Duck, 85; Greater Scaup, 34; **Lesser Scaup,** 1 ♂ (present 2 weeks); Am. Golden-eye, 868; **Barrow's Golden-eye,** 1 ♂ (present since November); Buffle-head, 3; White-winged Scoter, 8; **Surf Scoter,** 2 (present several weeks); Am. Scoter, 1; Hooded Merganser, 2; Am. Merganser, 132; Red-breasted Merganser, 8; Bald Eagle, 1; Ruffed Grouse, 13; Great Black-backed Gull, 1; Herring Gull, 1052; Ring-billed Gull, 58; Bonaparte's Gull, 1; **Brünnich's Murre,** 2 (first seen Dec. 13, one found dead Dec. 26, the other still present Jan. 7); Snowy Owl, 1 (since mid-November); Pileated Woodpecker, 5; **Yellow-bellied Sapsucker,** 1 (since Dec. 12); Hairy Woodpecker, 7; Downy Woodpecker, 22; Horned Lark, 2; Blue Jay, 28; Am. Crow, 19; Black-capped Chickadee, 131; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 20; Brown Creeper, 4; **Winter Wren,** 1 (since November); Am. Robin, 3; Golden-crowned Kinglet, 9; Cedar Waxwing, 138; Common Starling, 291; House Sparrow, 537; **Brown-headed Cowbird,** 1 (R.L.); Evening Grosbeak, 11; Purple Finch, 18; **Hoary Redpoll,** 1 (since mid-November); Common Redpoll, 234; Pine Siskin, 24; Am. Goldfinch, 15; Slate-colored Junco, 1 (M.S.); Am. Tree Sparrow, 130; White-throated Sparrow, 1; **Swamp Sparrow,** 1 (R.L.); Song Sparrow, 21; Snow Bunting, 5. **Total,** 53 species; 3997 individuals. (Seen in area Dec. 21: Iceland Gull, 1 (R.L.); Dec. 22: Great Blue Heron, 1, Red-necked Grebe, 1, and Cormorant apparently Double-crested, 4 (R.L.); Dec. 24: Red Crossbill, 52, White-winged Crossbill, 27 (R.L.); Dec. 28: Ring-necked Pheasant, 1 (M.S.), and Red-winged Blackbird, ssp. (?), 2 ♂, 1 ♀ (N.St.J.) —Richard Lavallee, Anna S. Reynolds, Norman St. Jacques, Marion L. Smith (compiler).

33. **Newbury, Vt.** (portions of Connecticut Valley and first range of hills westward; mixed woodland 30%, open fields 45%, village streets 25%).—Dec. 24; 7 a.m. to 12 m.; 1 to 4 p.m. Cloudy with rain, sleet and snow at intervals; temp. 36° throughout; wind SE to SW, 10-15 m.p.h.; ground covered by 8-in. snow in fields, 10 to 12 in woods; much open water in Connecticut River. One observer. Total hours, 8; total miles, 14 (8 on foot, 6 in car). Am. Golden-eye, 7; Am. Merganser, 1; Ruffed Grouse, 10; Hairy Woodpecker, 4; Downy Woodpecker, 1; Blue Jay, 9; Am. Crow, 1; Black-capped Chickadee, 56 (8 flocks); White-breasted Nuthatch, 4; Brown Creeper, 2; Golden-crowned Kinglet, 3; Common Starling, 27; Evening Grosbeak, 12; Common Redpoll, 55; Am. Tree Sparrow, 6. **Total,** 15 species; 198 individuals. (A Pileated Woodpecker was seen on Dec. 14, and a Slate-colored Junco, Dec. 18.)—Wendell P. Smith.

34. **Woodstock, Vt.** (same area as last year).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear; temp. 0° to 15°; wind N, 0-10 m.p.h.; ground covered with 6-in. crusted snow. Thirty-two observers in 23 parties. Total party-hours, 91 (4 on foot, 87 at feeders),

total party-miles, 5 (on foot). Am. Merganser, 1; Ruffed Grouse, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 18; Downy Woodpecker, 13; Blue Jay, 32; Am. Crow, 3; Black-capped Chickadee, 180; White-breasted Nuthatch, 42; Golden-crowned Kinglet, 3; Common Starling, 21; House Sparrow, 50; Evening Grosbeak, 104; Purple Finch, 3; Slate-colored Junco, 2; Am. Tree Sparrow, 111; White-throated Sparrow, 3; Song Sparrow, 1; Snow Bunting, 285. **Total,** 19 species; 876 individuals. (Seen in area Dec. 26: Am. Robin, 1.)—Mrs. Edwin Bates, Mrs. Maitland Blake, Mrs. H. G. Blanchard, Mrs. Elba Buckman, Mrs. Preston Cole, Mrs. Earl Crane, Mrs. Philip Cummings, Miss Sarah Cummings, Miss Cornelia Cummings, Miss Alice L. Eaton, T. S. Fillebrown, Mrs. H. C. Holt, Mrs. Delemer Jones, Mr. & Mrs. Earl Lussier, Mr. & Mrs. Richard Marble, Mrs. Fred Menning, Mrs. F. H. Merrill, Mrs. Josephine Morgan, Mr. & Mrs. R. Robinson, Mrs. W. Russell, Mr. & Mrs. E. C. Taylor, Mrs. A. E. Thomas, Miss Lillian Townsend, Richard West, Mrs. C. A. Williams, Mrs. F. Winslow, Mr. & Mrs. Blinn F. Yates.

35. Belmont, Mass. (including Fresh Pond in Cambridge, same area as previous 18 years; pasture 10%, deciduous woodland 25%, coniferous woodland 10%, marshland 15%, residential 40%).—Dec. 26; 7:30 a.m. to 6 p.m. Clear; temp. 35° to 40°; wind SW, 10-15 m.p.h.; 0-1 inch of crusted snow; all ponds open. Fifteen observers in 10 parties. Total party-hours, 33 (20 on foot, 5 by car, 8 at 3 feeding stations); total party-miles, 46 (20 on foot, 26 by car). Mallard, 39; Black Duck, 88; Pintail, 1; Am. Golden-eye, 2; Am. Merganser, 48; Red-shouldered Hawk, 1; Ring-necked Pheasant, 20; Am. Coot, 2; Great Black-backed Gull, 11; Herring Gull, 352; **Barn Owl,** 1 (first winter record—S.D.R., R.S.R.); Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 58; Am. Crow, 30; Black-capped Chickadee, 89; White-breasted Nuthatch, 10; Brown Creeper, 2; **Catbird,** 1 (2nd winter since 1892—S.D.R., R.S.R., F.T.E.); Am. Robin, 3; Hermit Thrush, 2; **Eastern Bluebird,** 2 (first census record); Cedar Waxwing, 6; Common Starling, 111; House Sparrow, 134; Evening Grosbeak, 3; Purple Finch, 19; Common Redpoll, 14; Pine Siskin, 28 (highest since 1908); Am. Goldfinch, 11; Red Crossbill, 1 (first census record since 1908); Slate-colored Junco, 120 (2nd highest); Am. Tree Sparrow, 49; **White-throated Sparrow,** 21 (previous high, 15 in 1939); Fox Sparrow, 1; **Swamp Sparrow,** 8 (previous high, 6 in 1938); Song Sparrow, 13. **Total,** 38 species; 1320 individuals. (Seen in area Dec. 24: Bronzed Grackle; Dec. 25: Golden-crowned Kinglet; heard on Dec. 25: Long-eared Owl; seen Dec. 27: Great Blue Heron.)—Campbell Bosson, Mr. and Mrs. Harold I. Brown, Mrs. William H. Claflin 3rd, Mrs. Francis W. Davis, George Drew, Mrs. Rachel Drew, Mrs. Frances T. Elkins, Kimball Elkins, Ivan Getting, George T. Jenks, Mr. and Mrs. Samuel D. Robbins (compiler), Mr. & Mrs. K. L. Zerbe.

36. Cape Ann, Mass. (as in previous years, including Gloucester, Rockport, Essex, Manchester, and parts of Ipswich, Hamilton, and Beverly; seacoast, harbors, coniferous and deciduous woodlands, open fields, sand dunes, and feeding stations in towns).—Dec. 21; 7 a.m. to 4 p.m. Cloudy to clearing; temp. 30° to 40°; wind SE to NE, 10-15 m.p.h.; ground bare; fresh-water ponds partly frozen. Thirty-nine observers in 9 parties. Total party-hours, 86 (16 on foot, 70 by car); total party-miles, 275 (25 on foot, 250 by car). Common Loon, 30; Red-throated Loon, 2; Red-necked Grebe, 3; Horned Grebe, 50; Gannet, 11; European Cormorant, 198; Canada Goose, 45; Mallard, 2; Black Duck, 795; Am. Widgeon, 2; **Blue-winged Teal,** 2 (R.L.); Greater Scaup, 11; Am. Golden-eye, 408; Barrow's Golden-eye, 2; Buffle-head, 23; Old-squaw, 56; Common Eider, 3; White-winged Scoter, 96; Surf Scoter, 18; Am. Scoter, 17; Am. Merganser, 15; Red-breasted Merganser, 526; Red-shouldered Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 8; Ruffed Grouse, 1; Ring-necked Pheasant, 14; Killdeer, 1; Purple Sandpiper, 127; Sanderling, 11; Glaucous Gull, 1; Great Black-backed Gull, 676; Herring Gull, 8603; Ring-billed Gull, 5; Black-legged Kittiwake, 172; Brünnich's Murre, 1; Mourning Dove, 126; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 34; Hairy Woodpecker, 7; Downy Woodpecker, 19; Horned Lark, 64; Blue Jay, 94; Am. Crow, 204; Black-capped Chickadee, 269; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 1; Mockingbird, 2; Brown Thrasher, 1; Am. Robin, 29; Hermit Thrush, 3; Golden-crowned Kinglet, 3; Cedar Waxwing, 15; Common Starling, 946; Myrtle Warbler, 316; Yellow-breasted Chat, 1; Palm Warbler, 7; Common Yellowthroat, 1; House Sparrow, 187; Eastern Meadowlark 2; Brown-headed Cowbird, 2; Purple Finch, 35; Common Redpoll, 2; Pine Siskin, 107; Am. Goldfinch, 160; Eastern Towhee, 2; Savannah Sparrow, 4; Slate-colored Junco, 354; Am. Tree Sparrow, 416; White-crowned Sparrow, 1; White-throated Sparrow, 38; Fox Sparrow, 2; Swamp Sparrow, 6; Song Sparrow, 63; Snow Bunting, 75. **Total,** 79 species; 15,559 individuals. (Chat and White-crowned Sparrow coming regularly to feeding-stations; also, I think, the Carolina Wren, Mockingbirds, thrasher, yellowthroat, cowbirds and towhees. In the area on Dec. 20 were Great Blue Heron, 1; Black-bellied Plover, 2; Red-backed Sandpiper, 40; and Dovekie, 1.)—Mr. and Mrs. Frank Boot, Jean Burch, Frances L. Burnett, James E. A. C. Downey, Maxwell Foster, David Freeland, Mac Gallagher, Murray Gardler, Robert L. Grayce, Mr. and Mrs. Henry Halberg, Mr. and Mrs. Lee Jameson, James T. Kelly, Natalie B. King, Paul Larcom, Ralph Lawson, Bertram Leadbeater, Ivy LeMon, Mr. and Mrs. George Loring, C. Russell Mason (compiler), Ann McCarthy, Charles A. Parker, Mr. and Mrs. Herbert Pratt, William Rice, Mrs. William H. Robinson, Jr., Douglas B. Sands, Dr. Minnie B. Scotland, Paul W. Smith, P. William Smith, Jr., Thomas M. Smith, Roderic W. Sommers, Jeffrey Thomas, Nelle G.

VanVorst, Judith Vogel, and Henry T. Wiggin.

37. Cape Cod, Mass. (parts of Chatham, Brewster, Orleans, and Eastham; same routes as previous years).—Dec. 28; one hour before dawn to one hour after dusk. Overcast, spitting snow, to clear; temp. 18° to 26°; wind NW, 30 m.p.h.; ground bare, marshes frozen only at edges, ponds open. Twenty-four observers in 4 parties. Total party-hours, 48 (16 on foot, 42 by car); total party-miles, 330 (31 on foot, 293 by car). Common Loon, 27; Red-throated Loon, 4; Red-necked Grebe, 3; Horned Grebe, 14; Pied-billed Grebe, 22; Great Blue Heron, 15; Canada Goose, 4177; Am. Brant, 744; Snow Goose, 11; Mallard, 15; Black Duck, 665; Am. Widgeon, 1; Green-winged Teal, 50; Redhead, 1; Canvas-back, 11; Greater Scaup, 49; Lesser Scaup, 106; Am. Golden-eye, 711; Buffle-head, 98; Old-squaw, 187; Common Eider, 296; White-winged Scoter, 124; Surf Scoter, 18; Am. Scoter, 2; Ruddy Duck, 240; Hooded Merganser, 5; Am. Merganser, 250; Red-breasted Merganser, 479; Goshawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 6; Sparrow Hawk, 8; Ruffed Grouse, 1; Bob-white, 42; Virginia Rail, 3; Sora, 1; Am. Coot, 60; Black-bellied Plover, 9; Wilson's Snipe, 2; Red-backed Sandpiper, 686; Sanderling, 253; Great Black-backed Gull, 145; Herring Gull, 6240; Ring-billed Gull, 133; Bonaparte's Gull, 6; Dovekie, 1 (dead); Mourning Dove, 60; Horned Owl, 1; Long-eared Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 50; Hairy Woodpecker, 1; Downy Woodpecker, 12; Horned Lark, 354 (Northern, 352; Prairie, 2); Blue Jay, 39; Am. Crow, 222; Black-capped Chickadee, 298; Red-breasted Nuthatch, 1; Brown Creeper, 6; Carolina Wren, 1; Long-billed Marsh Wren, 4; Catbird, 8; Brown Thrasher, 1; Am. Robin, 79; Hermit Thrush, 7; Eastern Bluebird, 79; Golden-crowned Kinglet, 37; Ruby-crowned Kinglet, 2; Cedar Waxwing, 91; Common Starling, 550; Myrtle Warbler, 1315; Pine Warbler, 3; Palm Warbler, 12 (Western, 11, and Yellow, 1 [collected]); Common Yellowthroat, 3 (1 collected); Yellow-breasted Chat, 1; House Sparrow, 292; Eastern Meadowlark, 53; Baltimore Oriole, 2; Brown-headed Cowbird, 1; Dickcissel, 2; Purple Finch, 11; Common Redpoll, 2; Pine Siskin, 77; Am. Goldfinch, 78; Eastern Towhee, 4; Savannah Sparrow, 4; Slate-colored Junco, 124; Am. Tree Sparrow, 216; Chipping Sparrow, 60; Field Sparrow, 33; White-crowned Sparrow, 1; White-throated Sparrow, 102; Fox Sparrow, 6; Swamp Sparrow, 77; Song Sparrow, 127; Lapland Longspur, 13; Snow Bunting, 73. **Total,** 100 species (2 additional subspecies); 20,535 individuals. (Also on Dec. 27: Evening Grosbeak, 5; and on Dec. 29 & 30: Pacific Loon, 1 [Smart]; European Cormorant, 1; Black-crowned Night Heron, 1; Ring-necked Duck, 28; Cooper's Hawk, 1; pheasant, 1; Clapper Rail, 6; Loggerhead Shrike, 1; Common Sharp-tailed Sparrow, 1; and Seaside Sparrow, 3.)—Oliver L. Austin, Timothy Austin, Eleanor Barry, Richard Bowen, Hugh S. Clark, John D. Curtis, Mary C. Drury, William H. Drury, Jr., Osborne Earl, Eleanor K. Earl, Richard Eaton, David L. Emerson, Ludlow Griscom, Henry Halberg, Mrs. Henry Halberg, Norman P. Hill, C. Russell Mason, Allen H. Morgan, Henry M. Parker (compiler), Louise Pratt, Gladys Schumacher, Ruth Schumacher, Mrs. Lawrence Romaine, Judith Vogel.

38. Great Barrington, Mass. (7½-mile radius, including Sheffield, Egremont and western Monterey and New Marlboro; open country 50%, mixed woodlands 50%).—Dec. 27; 8 a.m. to 2 p.m. Mostly clear; temp. 27° to 24°; wind W-SW, 3-25 m.p.h. Lakes and streams open; small ponds frozen. Eight observers in 2 parties. Total party-hours, 8½ (5½ on foot, 3½ by car); total party-miles, 96 (7 on foot, 89 by car). Black Duck, 25; Am. Merganser, 7; Red-tailed Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 2; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 8; Am. Crow, 66; Black-capped Chickadee, 23; White-breasted Nuthatch, 4; Brown Creeper, 1; Golden-crowned Kinglet, 22+; Common Starling, 250±; House Sparrow, 60+; Evening Grosbeak, 3; Common Redpoll, 42±; Am. Tree Sparrow, 7 (surprisingly few). **Total,** 20 species; 532 individuals.—Ted Allen, Mr. and Mrs. Elmore J. Fitz, Frances Gillotti, Bartlett Hendricks, William Noble, David Walsh, Paul Whitney (Hoffmann Bird Club).

39. Greenfield, Mass. (7½-mile radius centering on race track at Franklin County Fair Grounds, Greenfield; fields and meadows, 40%, woodlands 20%, populated areas 15%, marsh land 15%, water areas 10%).—Dec. 21; 7:30 a.m. to 4 p.m. Calm and very cloudy; temp. 25° to 35°; wind N, 0-10 m.p.h.; ground bare in valley, snow on hills. Twenty-seven observers (19 in 11 parties and 8 watching their feeders). Total party-hours, 56 (20 on foot, 36 by car); total party-miles, 388 (35 on foot, 353 by car). Mallard, 1; Black Duck, 19; Am. Golden-eye, 52; Am. Merganser, 61; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 16; Ring-necked Pheasant, 9; Herring Gull, 35; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 7; Hairy Woodpecker, 10; Downy Woodpecker, 47; Blue Jay, 274; Am. Crow, 357; Black-capped Chickadee, 308; White-breasted Nuthatch, 49; Brown Creeper, 3; Catbird, 1; Am. Robin, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Gray Shrike, 1; Common Starling, 974; House Sparrow, 702; Brown-headed Cowbird, 2; Evening Grosbeak, 4; Common Redpoll, 452; Pine Siskin, 15; Am. Goldfinch, 27; Slate-colored Junco, 143; Am. Tree Sparrow, 803; White-throated Sparrow, 1; Song Sparrow, 10. **Total,** 37 species; 4398 individuals. (Seen in area Dec. 17: Hooded Merganser, 12; Dec. 19: Snow Buntings; Dec. 23: Canada Geese, 7.)—Mrs. Carlos Allen, Mr. & Mrs. W. T. Arms, John L. Bagg, Betty Boyden, W. C. Bryant, Ruby Goodnow, Arthur

1953 CHRISTMAS BIRD COUNT DATES
December 25 — January 3

Green, Lyman Hale, Caroline Hamilton, Mr. & Mrs. Robert Harrington, Mary Holmes, Paul Kemp, Dorothy Leary, Mrs. Alice Morrill, Robert Murley, Gertrude F. Newell, Mr. & Mrs. Edward Norman, Mrs. Stanley Reid, Cristobel S. Rockwood, Herbert Shumway, Glenn A. Weeks, William Whitmore, Robert Wood, Walter Wunsch.

40. Holyoke, Mass. (Mt. Tom to Conn. line; same area as in past counts).— Dec. 26; 7 a.m. to 4 p.m. Clear; temp. 30° to 35°; wind NW, 4-18 m.p.h.; ground bare; Conn. River and most ponds open. One observer. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 50 (5 on foot, 45 by car). Black Duck, 80; Am. Golden-eye, 6; Am. Merganser, 9; Sparrow Hawk, 2; Herring Gull, 49; Ring-billed Gull, 40; Downy Woodpecker, 2; Blue Jay, 6; Am. Crow, 14; Black-capped Chickadee, 13; White-breasted Nuthatch, 3; Brown Creeper, 2; Golden-crowned Kinglet, 3; Common Starling, 150; House Sparrow, 50; Purple Finch, 6; Pine Siskin, 6; Am. Goldfinch, 3; Slate-colored Junco, 5; Am. Tree Sparrow, 56. **Total,** 20 species; about 505 individuals. (Seen by others in area, Dec. 27: Red-shouldered Hawk, 2; Great Black-backed Gull, 1; Yellow-shafted Flicker, 1; Am. Robin, 6.)—Aaron M. Bagg.

41. Jamaica Plain, Mass. (1½-mile radius centering at The Children's Museum and including the Arnold Arboretum, Jamaica Pond, Sargent Estate (Brookline), and Ward's and Leverett's Ponds).—Dec. 24; 8 a.m. to 4 p.m. Thin high clouds; temp. 35° to 55°; wind WSW, 8-12 m.p.h.; ground covered with 1½-in. crusted snow; all small ponds covered with thin ice but Jamaica Pond open. Six observers in 1 party. Total party-hours, 8; total party-miles, 16 (on foot). Pied-billed Grebe, 3; Mallard, 125; Black Duck, 600; Am. Widgeon, 2; Redhead, 4 (present since Dec. 6); Lesser Scaup, 15; Am. Golden-eye, 2; Hooded Merganser, 2; Red-shouldered Hawk, 1; Ring-necked Pheasant, 6; Am. Coot, 1; Great Black-backed Gull, 20; Herring Gull, 500; Ring-billed Gull, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 36; Am. Crow, 57; Black-capped Chickadee, 47; White-breasted Nuthatch, 5; Brown Creeper, 2; Am. Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 4; Common Starling, 95; House Sparrow, 34; Purple Finch, 7; Pine Siskin, 12; Am. Goldfinch, 7; Slate-colored Junco, 55; White-throated Sparrow, 2; Song Sparrow, 10. **Total,** 33 species; 1669 individuals.—Marion L. Davis, Paul Deveau, Miriam E. Dickey (compiler), Francis Foley, Carolyn Swift, Tim Latham (Children's Museum Bird Club).

42. Lynn, Mass. (7½-mile radius from Wyoma Sq., as in previous years; mixed woodland 50%, residential 10%, farm and pasture land 20%, marsh and seashore 20%).—Dec. 27; 8 a.m. to 4 p.m. Fair, no snow nor ice; temp. 35° to 15°; wind SW to NW, 5-20 m.p.h. Thirty observers in 6 parties. Total party-hours, 39 (4 on foot, 35 by car); total party-miles, 85 (14 on foot, 71 by car). Common Loon, 12; Red-thoated Loon, 10; Horned Grebe, 31; Pied-billed Grebe, 5; European Cormorant, 28; Mallard, 7; Black Duck, 1284; **Am. Widgeon,** 12; Greater Scaup, 155; Am. Golden-eye, 390; Buffle-head, 649; Old-squaw, 105; White-winged Scoter, 219; Surf Scoter, 3; Am. Scoter, 4; Ruddy Duck, 8; Am. Merganser, 1; Red-breasted Merganser, 167; Sparrow Hawk, 10; Am. Coot, 1; Killdeer, 1; Purple Sandpiper, 141; Red-backed Sandpiper, 7; Sanderling, 4; Great Black-backed Gull, 95; Herring Gull, 3600+; Ring-billed Gull, 21; Bonaparte's Gull, 155; Mourning Dove, 150; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Hairy Woodpecker, 5; Downy Woodpecker, 20; Horned Lark, 14; Blue Jay, 76; Am. Crow, 85; Black-capped Chickadee, 114; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Thrasher, 1; Am. Robin, 8; Hermit Thrush, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 12; Common Starling, 1705; Myrtle Warbler, 1; House Sparrow, 1115; Eastern Meadowlark, 26; Brown-headed Cowbird, 1; Dickcissel, 1; Evening Grosbeak, 12; Purple Finch, 54; Pine Grosbeak, 1; Pine Siskin, 13; Am. Goldfinch, 16; Red Crossbill, 2; Slate-colored Junco, 185; Oregon Junco, 1; Am. Tree Sparrow, 165; White-throated Sparrow, 18; Fox Sparrow, 13; Swamp Sparrow, 8; Song Sparrow, 21. **Total,** 63 species; 10,986 individuals.—Mr. and Mrs. Arthur Argue, Harry Ball, Bernetta Boot, Marion Brown, Dorothy Caldwell, Bertha Davis, James Dorsey, Charles M. Ewing, William Foley, Alice E. Hanson, Mr. and Mrs. Lee T. Jameson, Jim Kelly, Paul Larcom, Natalie King, Henry Lewis, Leslie T. Little, Ellen Riggs, Mrs. David Searle, Mr. and Mrs. Strickland, Hugh Verry, J. N. Tomfohrde, Mr. and Mrs. Francis C. Wade, Miss Watson, Mr. and Mrs. John E. Walsh, Ivan Witty (Brookline Bird Club).

43. Martha's Vineyard, Mass. (Gay Head, Squibnocket, Chilmark, W. Tisbury, and parts of Edgartown and Vineyard Haven; dunes, shoreline and salt inlets 50%, fresh ponds and marsh 10%, scrub oak and pine 30%, farms, fields, etc., 10%).—Dec. 27; 6:30 a.m. to 6 p.m. Fair; temp. 20° to 39°; wind NW, 25 m.p.h.; passage of cold front with traces of snow at 12 N, sunshine during day 36%. Five observers in 1 party and four at their homes. Total party-hours, 11½ (4 on foot, 7½ by car); total party-miles, 125 (5 on foot, 120 by car). Common Loon, 6; Red-throated Loon, 5; Horned Grebe, 10; Gannet, 3; Great Blue Heron, 2; Canada Goose, 225±; Am. Brant, 1; Black Duck, 50±; Am. Widgeon, 145; Greater Scaup, 14; Lesser Scaup, 36; Am. Golden-eye, 26; Buffle-head, 2; White-winged Scoter, 8; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 3; Red-breasted Merganser, 90±; Red-tailed Hawk, 14; Rough-legged Hawk, 4; Marsh Hawk, 7; Sparrow Hawk, 2; Bob-white, 6; Ring-necked Pheasant, 5; Am. Coot, 33; Purple Sandpiper, 2; Great Black-backed Gull, 12; Herring Gull, 150±; Ring-billed Gull, 1; Bonaparte's Gull, 56; Screech Owl, 3; Short-eared Owl, 1; Yellow-shafted Flicker, 35±; Downy Woodpecker,

3; Blue Jay, 21; Am. Crow, 200±; Black-capped Chickadee, 75±; White-breasted Nuthatch, 3; Carolina Wren, 1; Am. Robin, 16; Eastern Bluebird, 12; Golden-crowned Kinglet, 1; Cedar Waxwing, 5; Common Starling, 750±; Myrtle Warbler, 50±; House Sparrow, 40±; Eastern Meadowlark, 25±; Dickcissel, 3; Am. Goldfinch, 4; Am. Tree Sparrow, 25±; Field Sparrow, 14; White-throated Sparrow, 2; Song Sparrow, 8. **Total,** 53 species; about 2217 individuals. (Seen on 26th and 28th: Green-winged Teal, Old-squaw, Am. Eider, Surf Scoter, Goshawk, Cooper's Hawk, Killdeer, Sanderling, Razor-billed Auk, Belted Kingfisher, Horned Lark [Northern], Hermit Thrush, Pine Siskin, Eastern Towhee [16!], Savannah Sparrow, Slate-colored Junco.)—Virginia Armstrong, Mr. and Mrs. H. B. Hough, Robert Smart, Mrs. Paul Stephenson, Dorothy E. Snyder, Mrs. Lucy Vincent, Robert Wood, Mrs. Mona Worden.

44. Monomoy Point, Mass. (including shoals to 7½ miles east and south of Point).—Dec. 27; 9 a.m. to 2:30 p.m. Overcast to clear; temp. 31° to 33°; wind WSW to NW, 25 m.p.h.; sea, moderate. Seven observers in 1 party, going 45 miles by boat. Common Loon, 4; Red-throated Loon, 10; Gannet, 13; Am. Golden-eye, 23; Buffle-head, 9; Old-squaw, 350; Harlequin Duck, 3; Common Eider, 150,000; White-winged Scoter, 26,000; Surf Scoter, 3; Am. Scoter, 5000; Red-breasted Merganser, 18; Black-bellied Plover, 6; Red-backed Sandpiper, 110; Sanderling, 100; Great Black-backed Gull, 20; Herring Gull, 1100; Ring-billed Gull, 1; Bonaparte's Gull, 2; large alcids, 3; Dovekie, 1; Am. Crow, 7; Snow Bunting, 3. **Total,** 23 species; about 182,786 individuals.—Harold Claflin, Mr. & Mrs. William H. Drury, Jr., Ludlow Griscom, Allen H. Morgan, Henry M. Parker (compiler), Richard Stackpole.

45. Newburyport, Mass. (same territory as in last 13 years).—Dec. 21; 7 a.m. to 5:30 p.m. Cloudy; temp. 25° to 35°; wind E, 5-15 m.p.h.; ground bare; ponds frozen. Twenty-two observers in 6 parties. Total party-hours, 55 (10 on foot, 45 by car); total party-miles, 240 (10 on foot, 230 by car). Common Loon, 21; Red-throated Loon, 3; Red-necked Grebe, 1; Horned Grebe, 101; European Cormorant, 1; Great Blue Heron, 1; Black-crowned Night Heron, 2; Canada Goose, 127; Mallard, 8; Black Duck, 2879; Am. Widgeon, 4; Pintail, 24; Green-winged Teal, 3; Greater Scaup, 1440; Am. Golden-eye, 334; Buffle-head, 428; Old-squaw, 478; White-winged Scoter, 149; Am. Scoter, 4; Am. Merganser, 26; Red-breasted Merganser, 120; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 6; Ruffed Grouse, 1; Ring-necked Pheasant, 13; **Virginia Rail,** 2 (L.G.); Purple Sandpiper, 15; Glaucous Gull, 1; Iceland Gull, 1; Great Black-backed Gull, 12; Herring Gull, 813; Ring-billed Gull, 10; Bonaparte's Gull, 100; **Forster's Tern,** 1 (L.G.); Mourning Dove, 22; Snowy Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 9; **Pileated Woodpecker,** 1; Hairy Woodpecker, 12; Downy Woodpecker, 61; Horned Lark, 66; Blue Jay, 331; Am. Crow, 347; Black-capped Chickadee, 491; White-breasted Nuthatch, 13; Brown Creeper, 6; Winter Wren, 1; Long-billed Marsh Wren, 1; Am. Robin, 5; Golden-crowned Kinglet, 28; Common Starling, 1810; Myrtle Warbler, 7; Yellow-breasted Chat, 1 (R.P.E.); House Sparrow, 307; Eastern Meadowlark, 2; Brown-headed Cowbird, 2; Purple Finch, 33; Common Redpoll, 8; Pine Siskin, 71; Am. Goldfinch, 241; Savannah Sparrow, 5; **Seaside Sparrow,** 2 (L.G.); Slate-colored Junco, 307; Oregon Junco, 1 (S.M.); Am. Tree Sparrow, 671; White-throated Sparrow, 15; Swamp Sparrow, 11; Song Sparrow, 36; Lapland Longspur, 4; Snow Bunting, 33. **Total,** 75 species; 12,104 individuals.—Mr. & Mrs. D. C. Alexander, Mr. & Mrs. Arthur Argue, Eleanor Barry, Mr. & Mrs. J. J. Beattie, Dr. W. Davis & son, F. Elkins, K. Elkins, R. P. Emery, Mr. & Mrs. E. P. Foye, L. Griscom, Dr. S. K. Harris, Dr. & Mrs. S. Maddock, R. T. Paine, E. Stanwood, C. deWindt, K. Zerbe.

46. Northampton, Mass. (same circle as in last 18 years).—Dec. 21; 6 a.m. to 5 p.m. Cloudy, with snow-flurry 9-10 a.m.; temp. 30°; wind N, 0-10 m.p.h.; ground almost bare, and very little ice on river. Sixty-one observers (41 at or near their homes, 20 afield in 14 parties, 9 with cars, 5 on foot). **Great Blue Heron,** 1; Mallard, 18; Black Duck, 400+ (two days later, Arcadia Sanctuary had about 725, and 30 Mallards); Am. Golden-eye, 14; Hooded Merganser, 9; Am. Merganser, 90±; **Red-breasted Merganser,** 1 ♀ (D.H.C., S.A.E.); Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 10; Ruffed Grouse, 5; Ring-necked Pheasant, 37; **Killdeer,** 7 (O.S.F.); Herring Gull, 35±; Ring-billed Gull, 1 (S.A.E.); Mourning Dove, 16; Screech Owl, 3; Horned Owl, 4; Belted Kingfisher, 1; Pileated Woodpecker, 5; Hairy Woodpecker, 28; Downy Woodpecker, 70±; Horned Lark (Northern), 65±; Blue Jay, 185; Am. Crow, 1465±; Black-capped Chickadee, 500±; White-breasted Nuthatch, 88; Brown Creeper, 15; Winter Wren, 1; Catbird, 1 (D.K.); Am. Robin, 82; Eastern Bluebird, 5; Golden-crowned Kinglet, 48; Ruby-crowned Kinglet, 2; Cedar Waxwing, 1; **Loggerhead Shrike,** 1 (L.M.B., W.B.N.); Common Starling, 1940±; House Sparrow, 1620±; Baltimore Oriole, 2 (regular at feeders in Amherst and North Amherst); **Bullock's Oriole,** 1 (at the same Easthampton feeder as in 1948-49, from Dec. 12 to Jan. 24); **Dickcissel,** 3 (2 regular in Hadley, 1 today only in N. Amherst); Evening Grosbeak, 25; Purple Finch, 20; Common Redpoll, 210+; Pine Siskin, 100±; Am. Goldfinch, 61; Slate-colored Junco, 285±; Am. Tree Sparrow, 785±; **Chipping Sparrow,** 1 (H.W.S.); White-throated Sparrow, 22; Swamp Sparrow, 7; Song Sparrow, 33; **Lapland Longspur,** 1. **Total,** 54 species; 8400± individuals. (Present, but missed today: Sharp-shinned Hawk, Cooper's Hawk, Barred Owl, Yellow-shafted Flicker, Hermit Thrush, and Brown-headed Cowbird.)—Mrs. Howard Alcorn, Mrs. Malcolm Bagg, L. M. Bartlett, Glenn Bennett, Mrs. Lyle

Blundell, Alma Brown, Mrs. K. L. Bullis, J. E. Cavanagh, Jr., R. M. Clark, E. H. Cotton, D. H. Crompton, Mrs. Mason Dickinson, Jr., S. A. Eliot (compiler), Mr. & Mrs. R. W. Fessenden, O. S. Flint, Jr., R. F. French, H. M. Gore, C. E., D. L., & J. P. Graves, Mrs. Joseph Hobbs, Elizabeth W. Hooker, J. L. Huntington, Mrs. Harry Kidger, Mrs. Leroy King, A. S. Kinney, David Klimoski, Mrs. S. P. Lamprecht, Mrs. H. B. Lang, C. R. Ludwig, Mrs. A. J. Miller, Mrs. W. Millette, W. B. Nutting, Mrs. J. J. O'Hearn, Esther J. Pollard, Mary T. Pomeroy, Mrs. H. Preston, Mr. & Mrs. D. A. Riedel, Marion de Ronde, Mrs. Arthur Ryan, F. A. Saunders, Marie J. Schurr, Mrs. John Sessions, Mrs. B. M. Shaub, Mrs. H. W. Smart, Mrs. Lovell Smith, Mr. & Mrs. E. C. Staples, L. Stevenson, Mrs. H. L. Sweetman, W. R. Torrey, Mrs. George Tyler, Mrs. Seth Wakeman, J. A. Watrous, Mrs. E. Warner, Mrs. P. L. Wheelock, A. L. Williams, Mrs. Paul Williams, Richard Wright.

47. **Pittsfield, Mass.** (7½-mile radius, including two lakes, two country clubs, and numerous feeding stations; backyards and open country 75%, mixed woods 25%).—Dec. 27; 8 a.m. to 3:15 p.m. Mostly clear; temp. 27° to 24°; wind WSW, 3-30 m.p.h.; Pontoosuc Lake and smaller bodies of water frozen, Onota Lake and Housatonic River mostly open; 0 to 2 in. snow. Ten observers (3 together, 7 at feeders). Total party-hours, 14 (4 on foot, 2½ by car, 7½ at feeders); total party-miles, 58½ (4½ on foot, 54 by car). Ring-necked Pheasant, 3; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 12; Am. Crow, 6; Black-capped Chickadee, 30; White-breasted Nuthatch, 13; Brown Creeper, 2; Golden-crowned Kinglet, 6; Common Starling, 200+; House Sparrow, 86; Evening Grosbeak, 103; Slate-colored Junco, 2; Oregon Junco, 1 (with Slate-colored Juncos, studied for some time at 8 feet and all field marks noted); Am. Tree Sparrow, 125; Song Sparrow, 2. **Total,** 16 species; 600+ individuals. (Also, both before and after Dec. 27, Cardinal ♀.)—Mrs. Harold Almstead, David Dansereau, Edna L. Dunbar, Mrs. Stephen Hibbard, Mrs. James Keith, Mrs. D. MacCarthy, Mrs. A. H. Shaw, Mrs. Emma Shepardson, Mrs. L. C. Sweitzer, Mrs. Herbert Volin (Hoffmann Bird Club).

48. **Provincetown and Wellfleet, Mass.** (Heretofore this count has included the intervening town of Truro, but this year we had too few observers).—Dec. 27; 8:30 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 31° to 40°; wind NW; ground bare; marshes partly frozen, fresh-water ponds open. Five observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 60 (10 on foot, 50 by car). Common Loon, 8; Red-throated Loon, 3; Red-necked Grebe, 1; Horned Grebe, 7; Gannet, 11; European Cormorant, 1; Great Blue Heron, 7; Canada Goose, 133; Mallard, 6; Black Duck, 304; Greater Scaup, 16; Am. Golden-eye, 73; Buffle-head, 19; Old-squaw, 33; Common Eider, 80; White-winged Scoter, 6; Am. Merganser, 2; Red-breasted Merganser, 78; Red-tailed Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 3; Black-bellied Plover, 10; Red-backed Sandpiper, 27; Sanderling, 4; Great Black-backed Gull, 62; Herring Gull, 857; Ring-billed Gull, 51; Yellow-shafted Flicker, 14; Downy Woodpecker, 2; Horned Lark, 2; Blue Jay, 6; Am. Crow, 95; Black-capped Chickadee, 60; Hermit Thrush, 1; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Common Starling, 171; Myrtle Warbler, 34; House Sparrow, 80; Common Redpoll, 15; Pine Siskin, 65; Am. Goldfinch, 3; Savannah Sparrow, 1; Slate-colored Junco, 1; Am. Tree Sparrow, 8; White-throated Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 50 species; 2383 individuals.—Eleanor E. Barry, Ruth P. Emery, C. Russell Mason, Gladys and Ruth Schumacher.

49. **Quincy, Mass.** (Squantum, Moon Island, Wollaston, Milton, Braintree, Hingham, Hull; shore 60%, salt marsh 10%, open woods and park 25%, residential 5%).—Dec. 27; 7 a.m. to 5:30 p.m. Clear, becoming overcast; temp. 26° to 38°; wind W to NW, 5 to 25 m.p.h.; ground mostly frozen, fresh water mostly open. Nine observers in 3 parties. Total party-hours, 30; total party-miles, 122 (17 on foot, 105 by car). Common Loon, 10; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 4; European Cormorant, 21; Black-crowned Night Heron, 34; Mallard, 7; Black Duck, 657; Am. Widgeon, 1; Pintail, 1; **Ring-necked Duck,** 1; Greater Scaup, 9250 (est.); **Lesser Scaup,** 4; Am. Golden-eye, 476; Buffle-head, 172; Old-squaw, 9; White-winged Scoter, 275; Surf Scoter, 1; Am. Scoter, 13; Am. Merganser, 4; Red-breasted Merganser, 627; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 17; Ring-necked Pheasant, 13; Killdeer, 10; Wilson's Snipe, 1; Purple Sandpiper, 250; **Red-backed Sandpiper,** 10; Sanderling, 7; Iceland Gull, 3 (Iceland, 2; Kumlien's, 1); Great Black-backed Gull, 314; Herring Gull, 16,875 (est.); Ring-billed Gull, 8; Bonaparte's Gull, 12; **Black-legged Kittiwake,** 1; **Razor-billed Auk,** 1; Screech Owl, 1; Horned Owl, 1; Short-eared Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 23; Hairy Woodpecker, 7; Downy Woodpecker, 15; Horned Lark (Northern), 31; Blue Jay, 141; Am. Crow, 157; Black-capped Chickadee, 192; White-breasted Nuthatch, 3; Brown Creeper, 2; Long-billed Marsh Wren, 1; **Brown Thrasher,** 1; Am. Robin, 5; Golden-crowned Kinglet, 2; Common Starling, 50,000 (est.); Myrtle Warbler, 2; House Sparrow, 425; Eastern Meadowlark, 9; Evening Grosbeak, 12; Purple Finch, 1; Common Redpoll, 3; Pine Siskin, 86; Am. Goldfinch, 63; Slate-colored Junco, 102; Am. Tree Sparrow, 35; Field Sparrow, 5; White-throated Sparrow, 22; Fox Sparrow, 1; **Swamp Sparrow,** 9; Song Sparrow, 47. **Total,** 70 species (1 additional subspecies); 80,508 individuals. (Seen in area Dec. 28: Barn Owl, 1; Saw-whet Owl, 1.)—R. Atkinson, R. Fox, S. Higginbotham (compiler), J. Howland, L. Lee, E. Lundin, J. O'Regan, J. Piper, G. Wilson.

50. **Ware, Mass.** (east to Hardwick, Warren, and

West Brookfield, south on Ware River to Palmer Airport, north along Muddy Brook to Hardwick Pond, and west to lower Quabbin Reservoir and watershed; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watersheds 40%).—Dec. 28; 7 a.m. to 4 p.m. Clear; temp. 0° to 23°; wind NW to W, 5-20 m.p.h.; ground bare; reservoir open; ponds and rivers frozen except in rapids. Seventeen observers in 7 parties. Total party-hours, 54 (36 on foot, 18 by car); total party-miles, 80 (64 on foot, 16 by car). Mallard, 150; Black Duck, 900; Pintail, 1; Green-winged Teal, 2; Wood Duck, 1; Am. Golden-eye, 6; Am. Merganser, 109; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 3; Ruffed Grouse, 6; Ring-necked Pheasant, 8; Herring Gull, 120; Ring-billed Gull, 1; Hairy Woodpecker, 6; Downy Woodpecker, 14; Blue Jay, 59; Am. Crow, 193; Black-capped Chickadee, 185; White-breasted Nuthatch, 9; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 410; House Sparrow, 200; Evening Grosbeak, 42; Purple Finch, 15; Common Redpoll, 154; Pine Siskin, 6; Am. Goldfinch, 103; Slate-colored Junco, 29; Am. Tree Sparrow, 152; Field Sparrow, 1; White-throated Sparrow, 3; Fox Sparrow, 1; Song Sparrow, 6. **Total,** 36 species; 2905 individuals. (Seen in area Dec. 22: Hooded Merganser, 2; Ruby-crowned Kinglet, 1.) —L. G. Albertine, L. G. Albertine, Jr., M. E. Albertine, S. T. Berube, W. H. Berube, L. A. Campbell, L. E. Campbell, L. M. Campbell, D. D. Conkey, J. H. Conkey (compiler), M. S. Descoteaux, N. A. Descoteaux, M. D. Granger, L. R. Marland, S. Krokas, D. K. Sampson, E. C. Sampson (Quabbin Bird Club).

51. Wellesley, Mass. (2½-mile radius, covering entire township).—Dec. 20; 8 a.m. to 12 p.m. Clear; temp. 20° to 30°; wind N, 5 m.p.h.; no snow; ponds frozen. Thirty-six observers in 7 parties. Total party-hours, 28 (14 on foot, 14 by car); total party-miles, 85 (35 on foot, 50 by car). Mallard, 3; Black Duck, 90; Sparrow Hawk, 4; Ring-necked Pheasant, 6; Herring Gull, 2; Screech Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 30; Blue Jay, 251; Am. Crow, 106; Black-capped Chickadee, 188; White-breasted Nuthatch, 70; Brown Creeper, 4; Am. Robin, 1; Hermit Thrush, 1; Golden-crowned Kinglet, 3; Common Starling, 165; Myrtle Warbler, 1; Pine Warbler, 1; Yellow-breasted Chat, 1; House Sparrow, 185; Eastern Meadowlark, 1; Purple Finch, 10; Am. Goldfinch, 22; Eastern Towhee, 1; Slate-colored Junco, 208; Am. Tree Sparrow, 28; Field Sparrow, 2; White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 7; Song Sparrow, 92. **Total,** 33 species; 1492 individuals.—Bernard Christensen, Donald McNutt, Murray Gardler, Nancy Bowen, Jean Burch, Judy White, Joan Barton, Mrs. James, Anne Morris, Marietta De Sesa, Richard Purinton, Bill Davis, Ray Chatfield, Gail Abraham, Debby Russell, Edgar Loring, Harold Parker, Robert Benjamin, Richard Doyle, Bryan Smith, Dr. Schweinfurth, Bill Gould, Nathan Nickerson, Donald Hale, David Twomey, Sheldon Michaels, Emmett Cleveland, Rosemary Daly, Sally Dunphy, Margaret Erlandson, Dorothy James, Jane Dozois, Janet Matthes, Douglas Sands (compiler), Marjorie Morando, and David Freeland.

52. Worcester, Mass. (15-mile diameter northward to Clinton; residential 70%, shores of Wachusett Reservoir 30%).—Dec. 27; 8:45 a.m. to 4:30 p.m. Cloudy to clear; temp. 30° to 28°; wind NW, 5-15 m.p.h.; ground 40% bare, 60% thinly snow-crusted; the reservoir and most ponds open. One observer, going 93 miles, (1 on foot, 92 by car). Mallard (feral), 33; Black Duck, 353; Green-winged Teal, 1 ♂; Am. Golden-eye, 1 ♂; Am. Merganser, 56; Herring Gull, 45; Mourning Dove, 5; Downy Woodpecker, 3; Blue Jay, 5; Am. Crow, 67; Black-capped Chickadee, 17; Red-breasted Nuthatch, 1; Common Starling, 120; House Sparrow, 15; Pine Siskin, 30; Slate-colored Junco, 10; Am. Tree Sparrow, 4; White-throated Sparrow, 1; Song Sparrow, 1. **Total,** 19 species; 766 individuals.—Davis H. Crompton.

53. Newport County, R. I., and Westport, Mass. (same as last 3 years, with minor party reassignments).—Dec. 21; 5:30 a.m. to 5 p.m. Overcast all day; temp. 28° to 34°; wind SE, 8-12 m.p.h.; a trace of last week's 1-3 in. snow (the season's only snow); all ponds with some ice but open. Twenty-nine observers in 7 parties. Total party-hours, 93 (62 on foot, 31 by car, 1 by boat), total party-miles, 336 (84 on foot, 252 by car, 6 by boat). Common Loon, 81; Red-throated Loon, 43; Red-necked Grebe, 1; Horned Grebe, 165; Pied-billed Grebe, 16; Gannet, 2; European Cormorant, 381; Double-crested Cormorant, 1 (Emerson); Great Blue Heron, 14; Black-crowned Night Heron, 12; Am. Bittern, 4; Mute Swan, 13; Canada Goose, 465; Mallard, 72; Black Duck, 1396; Gadwall, 1 (Drury); European Widgeon, 1 ♂; Am. Widgeon, 732; Pintail, 91; Green-winged Teal, 57; Shoveller, 8; Redhead, 194; Canvas-back, 37; Greater Scaup, 1640; Lesser Scaup, 515; Am. Golden-eye, 1390; Bufflehead, 148; Old-squaw, 6; Common Eider, 10; White-winged Scoter, 641; Surf Scoter, 126; Am. Scoter, 9; Ruddy Duck, 214; Hooded Merganser, 10; Am. Merganser, 44; Red-breasted Merganser, 430; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 5; Red-shouldered Hawk, 7; Rough-legged Hawk, 3; Marsh Hawk, 21; Peregrine Falcon, 2; Sparrow Hawk, 40; Ruffed Grouse, 1; Ring-necked Pheasant, 18; King Rail, 2; Clapper Rail, 6; Virginia Rail, 7; Am. Coot, 1071; Killdeer, 27; Black-bellied Plover, 1; Wilson's Snipe, 5; Greater Yellow-legs, 1; Purple Sandpiper, 210; Red-backed Sandpiper, 211; Sanderling, 18; white-winged gull (sp.), 1; Great Black-backed Gull, 159; Herring Gull, 4260; Ring-billed Gull, 147; Bonaparte's Gull, 79; Black-legged Kittiwake, 1; Razor-billed Auk, 3; Mourning Dove, 318; Barn Owl, 2; Screech Owl, 2; Horned Owl, 3; Snowy Owl, 1; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 153; Hairy Woodpecker, 6; Downy Woodpecker, 38; Eastern Phoebe,

2; Horned Lark, 662 (including Northern and Prairie); Blue Jay, 91; Am. Crow, 783; Black-capped Chickadee, 439; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 4; House Wren, 1 (Bowen); Carolina Wren, 23; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 3; Mockingbird, 1; Catbird, 44; Brown Thrasher, 4; Am. Robin, 447; Hermit Thrush, 17; Eastern Bluebird, 13; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 2; Water Pipit, 2; Cedar Waxwing, 70; Loggerhead Shrike, 4; Common Starling, 30,850; Myrtle Warbler, 280; Palm Warbler, 10 (Western, 9; Yellow, 1); Yellow-breasted Chat, 1; House Sparrow, 888; Eastern Meadowlark, 386; Red-winged Blackbird, 7; Purple Grackle, 2; Brown-headed Cowbird, 176; Dickcissel, 1; Purple Finch, 66; Common Redpoll, 7; Pine Siskin, 279; Am. Goldfinch, 103; Eastern Towhee, 27; Ipswich Sparrow, 3; Savannah Sparrow, 73 (including one Labrador, collected); Sharp-tailed Sparrow, 5; Seaside Sparrow, 1; Vesper Sparrow, 6; Slate-colored Junco, 450; Am. Tree Sparrow, 303; Chipping Sparrow, 1; Field Sparrow, 45; White-throated Sparrow, 700; Fox Sparrow, 13; Swamp Sparrow, 168; Song Sparrow, 380; Snow Bunting, 203. **Total,** 128 species (3 additional subspecies); 53,918 individuals.—J. Baird, R. H. Batchelder, R. Bowen, R. C. Clement (compiler), H. E. Childs, T. M. Curry, W. B. Dean, J. H. Dearborn, Mary and W. H. Drury, D. L. Emerson, C. C. Gardiner, H. J. Gates, R. H. Gee, R. A. Goodell, N. P. Hill, D. L. Kraus, R. Mazzeo, A. Morgan, H. M. Parker, F. Perry, C. S. Petty, B. S. Ridgely, R. W. Smart, D. E. Snyder, G. F. Troy, E. G. Weeks, C. Wood, C. G. Wright (Aud. Soc., R. I.).

54. South Kingstown, R I. (same as last year). —Dec. 27; 6:30 a.m. to 5 p.m. 50% cloudy; brief snow squalls in p.m.; temp. 24° to 37°; wind W, shifting to NW at noon, 0-12 m.p.h.; ground bare; fresh-water ponds and marshes frozen at margins. Twelve observers in 2 parties. Total party-hours, 21 (14 on foot, 7 by car); total party-miles, 114 (14 on foot, 100 by car). Common Loon, 30; Red-throated Loon, 4; Horned Grebe, 40; Pied-billed Grebe, 11; European Cormorant, 155; Great Blue Heron, 7; Mute Swan, 5; Canada Goose, 46; Mallard, 18; Black Duck, 1100; Am. Widgeon, 50; Pintail, 1; Redhead, 3; Ring-necked Duck, 20; Canvas-back, 70; Greater Scaup, 90; Lesser Scaup, 10; Am. Golden-eye, 340; Barrow's Golden-eye, 1; Buffle-head, 26; Old-squaw, 1; Common Eider, 1; White-winged Scoter, 25; Am. Scoter, 1; Ruddy Duck, 33; Hooded Merganser, 12; Am. Merganser, 285; Red-breasted Merganser, 290; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 14; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Am. Coot, 75; Killdeer, 1; Black-bellied Plover, 9; Purple Sandpiper, 52; Red-backed Sandpiper, 37; Great Black-backed Gull, 30; Herring Gull, 430; Ring-billed Gull, 40; Bonaparte's Gull, 17; Mourning Dove, 40; Horned Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Hairy Woodpecker, 8; Downy Woodpecker, 15; Horned Lark, 120; Blue Jay, 35; Am. Crow, 55; Black-capped Chickadee, 100; White-breasted Nuthatch, 12; Winter Wren, 1; Carolina Wren, 1; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 1; Catbird, 6; Am. Robin, 13; Hermit Thrush, 4; Eastern Bluebird, 35; Golden-crowned Kinglet, 1; Cedar Waxwing, 10; Loggerhead Shrike, 1; Common Starling, 645; Myrtle Warbler, 145; Common Yellowthroat, 1; House Sparrow, 165; Eastern Meadowlark, 115; Baltimore Oriole, 1; Dickcissel, 1; Purple Finch, 3; Pine Grosbeak, 1; Pine Siskin, 35; Am. Goldfinch, 13; Eastern Towhee, 10; Savannah Sparrow, 35; Vesper Sparrow, 11; Slate-colored Junco, 100; Am. Tree Sparrow, 35; Field Sparrow, 13; White-throated Sparrow, 55; Fox Sparrow, 8; Swamp Sparrow, 3; Song Sparrow, 35; Lapland Longspur, 1; Snow Bunting, 11. **Total,** 90 species; about 5308 individuals.—Mr. and Mrs. T. M. Curry, Jr., Mrs. A. Davenport, Mr. and Mrs. H. Gates, D. L. Kraus (compiler), Mrs. E. Parker, Miss F. Perry, E. K. Ryan, Miss G. Segar, Miss E. Weeks, Mrs. K. Whaley (Little Rest Bird Club).

55. Hartford, Conn. (same circle as in last 9 years; mixed woodland 20%, grassy meadows along Conn. River 65%, shrubby swamp 10%, plowed fields 5%).—Dec. 27; 6 a.m. to 4:30 p.m. Mostly clear; temp. 23° to 40°; wind W to NW, 30 m.p.h.; ground frozen; no snow; river open; small ponds covered with very thin ice. Forty-nine observers in 11 parties. Total party-hours, 121½ (50 on foot, 71½ by car); total party-miles, 411½ (78½ on foot, 333 by car). Mallard, 50; Black Duck, 277; Am. Golden-eye, 15; Am. Merganser, 19; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 6; Bald Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 32; Ruffed Grouse, 1; Ring-necked Pheasant, 41; **Virginia Rail,** 1 (R.G.); Killdeer, 6; Great Black-backed Gull, 3; Herring Gull, 135; Ring-billed Gull, 57; Mourning Dove, 140; Screech Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 30; Pileated Woodpecker, 1; Hairy Woodpecker, 33; Downy Woodpecker, 115; Horned Lark, 715; Blue Jay, 190; Am. Crow, 4010; Black-capped Chickadee, 558; White-breasted Nuthatch, 64; Brown Creeper, 22; Winter Wren, 3; Mockingbird, 1; Catbird, 1; Brown Thrasher, 1; Am. Robin, 29; Hermit Thrush, 1; Eastern Bluebird, 35; Golden-crowned Kinglet, 41; Ruby-crowned Kinglet, 3; Cedar Waxwing, 45; Loggerhead Shrike, 1; Common Starling, 5361; Myrtle Warbler, 25; House Sparrow, 930; Eastern Meadowlark, 22; Red-winged Blackbird, 377; Baltimore Oriole, 2; Purple Grackle, 4; Brown-headed Cowbird, 12; Dickcissel, 1; Evening Grosbeak, 2; Purple Finch, 70; Common Redpoll, 1 (E.A.B.); Pine Siskin, 21; Am. Goldfinch, 196; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 637; Am. Tree Sparrow, 1326; Field Sparrow, 7; White-throated Sparrow, 162; Fox Sparrow, 6; Swamp Sparrow, 27; Song Sparrow, 158; Lapland Longspur, 14; Snow Bunting, 3. **Total,** 66 species; 16,061 individuals. (Also, on Dec. 24, a ♂ Cardinal.) On the count day, Mrs. Rhines and Dr. Whittles saw 4 Broad-winged Hawks milling around each other in charac-

teristic flight, their tail-bands and immaculate wing-linings well displayed, and, perched, two other small buteos they deemed immature Broad-wings; but these were not included in the count for lack of winter specimens from this region. Furthermore, at the same feeder with one of the Baltimore Orioles was a different oriole suggesting female Bullock's, while at a feeder two miles away a more extreme pale-grayish oriole seemed still more like Bullock's. Neither had any tinge of orange, and the grayish-white belly was abruptly demarked from the yellower plumage fore and aft; but in view of the obscurity of the respective winter plumages and the existence of apparent hybirds from Oklahoma, we omit these birds, too, from our count.—Mr. and Mrs. Sigmund Adler, Hilda F. Amidon, Mr. and Mrs. Herbert Austin, Mrs. Warren Ball, Mrs. Howard Beardsley, Mr. and Mrs. Robert Belden, Mr. and Mrs. E. A. Bergstrom, Nancy Bergstrom, Mr. and Mrs. Leo Des Jardins, Joslin Deeks, Mr. and Mrs. Leonard French, Percy Fellows, Robert Goodell, Sherman Goodell, Mrs. Leslie Goodrich, Gladys Goodrich, George Joseph, Ralph Keirstead, Marion Loveland, A. Mains, Mrs. D. Martin, Robert Norton, J. B. O'Brien, Harry Parker, G. Hapgood Parks, Doris Purinton, Mrs. Thomas B. Rhines, Mrs. Robert Risley, Fred Ranszone, Mrs. Ross, Victoria Schuetz, Thomas Shires, Mrs. Ray Simmons, A. D. Spring, Joseph Stannard, Mrs. Percival Stark, Dr. and Mrs. Donald Stroud, Mrs. Robert Tucker, Rev. Tertius Van Dyke, Dr. Lee J. Whittles, Awanda Williamson, James Woodson.

56. New London, Conn. (east to Mystic, northeast to Ledyard, and west to Niantic; time about equally divided among woodland, meadow, and seacoast).—Dec. 27; 7:15 a m. to 4:30 p.m. Cloudy, till 9:30, then clear; temp. 25° to 36°; wind SW to W, 4-8 m.p.h.; no snow. Five observers in 3 parties. Total party-hours, 26 (14 on foot, 12 by car); total party-miles, 45 (12 on foot, 33 by car). Common Loon, 3; Red-throated Loon, 1; Horned Grebe, 29; European (?) Cormorant, 1; Great Blue Heron, 9; Mute Swan, 2; Canada Goose, 150; Snow Goose, 3 (with the Canadas on Niantic Lake until it froze, Jan. 4); Mallard, 27; Black Duck, 375; Lesser Scaup, 5; Am. Golden-eye, 30; Buffle-head, 41; White-winged Scoter, 2; Surf Scoter, 6; Am. Scoter, 4; Am. Merganser, 25; Red-breasted Merganser, 68; Sparrow Hawk, 1; Great Black-backed Gull, 13; Herring Gull, 311; Ring-billed Gull, 2; Bonaparte's Gull, 31; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 12; Am. Crow, 14; Black-capped Chickadee, 23; White-breasted Nuthatch, 2; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 2; Cedar Waxwing, 6; Common Starling, 103; Myrtle Warbler, 11; Pine Warbler, 3; House Sparrow, 35; Eastern Meadowlark, 16; Purple Finch, 1; Slate-colored Junco, 43; Am. Tree Sparrow, 10; Chipping Sparrow, 2; White-throated Sparrow, 28; Fox Sparrow, 2; Song Sparrow, 2; Snow Bunting, 18. **Total,** 48 species; 1489 individuals.—Seen Dec. 20: Ring-necked Pheasant 3, Purple Sandpiper 6; Dec. 23: Snowy Owl, 1; Dec. 24: thrush (sp.).—Mrs. Wilson Brown, Richard H. Goodwin, Mrs. Frank J. Kohl, Robert Fulton Logan (compiler), Thomas P. McElroy.

57. New Haven, Conn. (7½-mile radius, same as previous years, including shore from Branford to West Haven, and inland north to Mt. Carmel; Long Island Sound and shore 32%, upland woods 20%, bottomland woods 8%, fields and hedge rows 16%, marsh 8%, ponds and lakes 16%).—Dec. 26; 6:30 a.m. to 4:45 p.m. Mostly clear; temp. 37° to 45°; wind W, 13-18 m.p.h. Seven observers in 3 parties. Total party-hours, 26 (20 on foot, 6 by car); total party-miles, 148 (18 on foot, 130 by car). Red-throated Loon, 4; Horned Grebe, 25; Pied-billed Grebe, 6; Great Blue Heron, 1; Mallard, 28; Black Duck, 1690; Am. Widgeon, 232; Redhead, 112; Ring-necked Duck, 11; Canvas-back, 2; Greater Scaup, 4800; Lesser Scaup, 9; Am. Golden-eye, 140; Buffle-head, 18; White-winged Scoter, 490; Am. Scoter, 40; Hooded Merganser, 24; Am. Merganser, 159; Red-breasted Merganser, 28; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 3; Am. Coot, 5; Killdeer, 2; Great Black-backed Gull, 37; Herring Gull, 1330; Ring-billed Gull, 205; Bonaparte's Gull, 230; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 6; Horned Lark, 4; Blue Jay, 32; Am. Crow, 210; Black-capped Chickadee, 79; White-breasted Nuthatch, 5; Brown Creeper, 1; Long-billed Marsh Wren, 4; Am. Robin, 9; Eastern Bluebird, 4; Golden-crowned Kinglet, 3; Common Starling, 1365; Myrtle Warbler, 6; House Sparrow, 194; Red-winged Blackbird, 24; Purple Finch, 1; Pine Siskin, 23; Am. Goldfinch, 23; Slate-colored Junco, 100; Am. Tree Sparrow, 28; Field Sparrow, 1; White-throated Sparrow, 15; Swamp Sparrow, 24; Song Sparrow, 19; Snow Bunting, 7. **Total,** 57 species; 11,833 individuals.—I. R. Barnes (compiler), Mr. and Mrs. A. R. Bellinger, H. Bunting, S. A. Galpin, J. B. Goetsch, Mrs. C. Remington.

58. Oxford, Conn. (Quaker Farms to Stevenson, down the Housatonic River to Squantuck, and back; brush land 60%, farmland 5%, river front 20%, woodland [mostly deciduous] 15%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Clear; temp. 34°; wind NW, 21-28 m.p.h.; no snow; Housatonic River and most ponds open. One observer. Total hours, 9; total miles, 15 (on foot). Am. Merganser, 1; Ruffed Grouse, 2; Herring Gull, 10; Yellow-shafted Flicker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 17; Am. Crow, 26; Black-capped Chickadee, 108; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 3; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 5; Common Starling, 15; Myrtle Warbler, 75; House Sparrow, 37; Am. Goldfinch, 1; Eastern Towhee, 2; Slate-colored Junco, 74; Am. Tree Sparrow, 55; Field Sparrow, 2; Fox Sparrow, 1; Song Sparrow, 8. **Total,** 25 species; 470 individuals.—Alfred P. Harger.

59. Saybrook, Conn. (7½-mile radius, same as previous years, including Long Island Sound from Lyme to Hammonasset, Connecticut River north to Chester and Hadlyme; shore and sound 30%, river 15%, marsh 10%, fields and fencerows 13%, bottomland woods 12%, upland woods 20%).—Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. 33° to 39°; wind SW, 8-12 m.p.h. Four observers in 2 parties. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 99 (11 on foot, 88 by car). Common Loon, 1; Red-throated Loon, 4; Horned Grebe, 24; Pied-billed Grebe, 1; Black Duck, 145; Am. Widgeon, 11; Pintail, 15; Greater Scaup, 4500; Am. Golden-eye, 101; Buffle-head, 8; Old-squaw, 5; White-winged Scoter, 1240; Surf Scoter, 22; Am. Scoter, 20; Ruddy Duck, 300; Am. Merganser, 161; Red-breasted Merganser, 42; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Virginia Rail, 7; Am. Coot, 158; Killdeer, 1; Wilson's Snipe, 1; Purple Sandpiper, 3; Great Black-backed Gull, 29; Herring Gull, 410; Ring-billed Gull, 85; Bonaparte's Gull, 69; Yellow-shafted Flicker, 13; Hairy Woodpecker, 2; Downy Woodpecker, 9; Horned Lark, 14 (Northern, 10; Prairie, 4); Blue Jay, 23; Am. Crow, 130; Black-capped Chickadee, 81; White-breasted Nuthatch, 3; Winter Wren, 4; Carolina Wren, 1; Long-billed Marsh Wren, 5; Am. Robin, 46; Eastern Bluebird, 18; Golden-crowned Kinglet, 3; Cedar Waxwing, 3; Common Starling, 450; Myrtle Warbler, 97; House Sparrow, 71; Eastern Meadowlark, 7; Rusty Blackbird, 3; Purple Finch, 6; Pine Siskin, 1; Am. Goldfinch, 12; Savannah Sparrow, 3; Slate-colored Junco, 22; Am. Tree Sparrow, 71; Field Sparrow, 25; White-throated Sparrow, 26; Swamp Sparrow, 18; Song Sparrow, 19. **Total,** 61 species (1 additional subspecies); 8564 individuals.—I. R. Barnes (compiler), H. Bunting, L. P. Murphy, J. Yrizarry.

60. Waterbury, Conn. (7½-mile radius centering on Municipal Stadium and including parts of shore lines of Lake Quassapaug and Lake Louise, farm land off Charcoal Ave., areas around Hancock Brook, Fulton and Lakewood Parks and small sections of Chestnut Hill and Woodtick Reservoirs; pasture 7%, town suburbs 10%, mixed conifers 50%, brushland 10%, cattail marsh 3%, deciduous woodland 20%).—Dec. 28; 7:45 a.m. to 4:30 p.m. Clear; temp. 6° to 30°; wind W-WNW, 8-10 m.p.h. with occasional gusts to 20 m.p.h.; ground bare, most brooks frozen, lakes and swiftly moving streams open. Twelve observers (6 in 3 parties, and 6 at 5 feeding stations). Total party-hours, 16 (14 on foot, 2 by car); total party-miles, 67 (25 on foot, 42 by car). Red-tailed Hawk, 1; Herring Gull, 5; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 8; Blue Jay, 34; Am. Crow, 26; Black-capped Chickadee, 32; White-breasted Nuthatch, 8; Brown Creeper, 1; Golden-crowned Kinglet, 5; Common Starling, 322; House Sparrow, 111; Purple Finch, 23; Pine Siskin, 11; Am. Goldfinch, 4; Slate-colored Junco, 61; Am. Tree Sparrow, 63; White-throated Sparrow, 2; Song Sparrow, 2. **Total,** 20 species; 724 individuals. (Pair of Baltimore Orioles reported wintering in Watertown, near feeding station of Emil Chapius, 23 Ball Farm Road.) —W. L. Barrows, Florence Sturges, R. B. Sturges, Anna Zukauskas, E. Beverly Slack (compiler), Florence Turnbull, Mrs. Carl B. Timberlake, Mrs. A. R. Streeter, Mrs. Erna K. Slack, George E. Cowperthwaite, Mrs. G. E. Cowperthwaite, Mabel Hotchkiss (Waterbury Naturalist Club).

61. Westport, Conn. (and surrounding towns; area as in past 3 years; percentages same as last year). —Dec. 27; 7:30 a.m. to 4:45 p.m. Clear; temp. 26° to 38°; wind NW, 5-20 m.p.h.; ground bare, small ponds frozen, larger ponds and reservoirs open. One hundred thirty-four observers (45 in 19 parties and 89 at feeding stations). Total party-hours, 87 (21 on foot, 63 by car, 3 on horseback); total party-miles, 196 (55 on foot, 129 by car, 12 on horseback). Common Loon, 1; Red-throated Loon, 7; Horned Grebe, 227; Pied-billed Grebe, 5; European Cormorant, 1; Great Blue Heron, 15; Black-crowned Night Heron, 21; Mute Swan, 20; Canada Goose, 2; Mallard, 325; Black Duck, 1167; Green-winged Teal, 10; Wood Duck, 1; Greater Scaup, 1604; Am. Golden-eye, 274; Buffle-head, 318; Old-squaw, 163; White-winged Scoter, 2101; Surf Scoter, 8; Am. Scoter, 2; Hooded Merganser, 9; Am. Merganser, 56; Red-breasted Merganser, 68; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 11; Ruffed Grouse, 8; Ring-necked Pheasant, 11; Clapper Rail, 1; Am. Coot, 2; Killdeer, 62; Black-bellied Plover, 16; Am. Woodcock, 1; Red-backed Sandpiper, 37; Sanderling, 4; Great Black-backed Gull, 30; Herring Gull, 5911 (3500± 300, 2411); Ring-billed Gull, 11; Mourning Dove, 106; Horned Owl, 1; Barred Owl, 2; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 22; Yellow-shafted Flicker, 27; Pileated Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 85; Downy Woodpecker, 198; Eastern Phoebe, 1; Horned Lark, 73; Blue Jay, 415; Am. Crow, 223; Fish Crow, 4; Black-capped Chickadee, 886; Tufted Titmouse, 28; White-breasted Nuthatch, 214; Red-breasted Nuthatch, 3; Brown Creeper, 33; Winter Wren, 3; Carolina Wren, 3; Catbird, 1; Am. Robin, 38; Eastern Bluebird, 110; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 2; Water Pipit, 2; Cedar Waxwing, 38; Gray Shrike, 3; Common Starling, 919; Myrtle Warbler, 86; House Sparrow, 718; Eastern Meadowlark, 118; Purple Grackle, 2; Brown-headed Cowbird, 5; Cardinal, 23; Dickcissel, 2; Evening Grosbeak, 1; Purple Finch, 124; Pine Grosbeak, 4; Common Redpoll, 5; Pine Siskin, 45; Am. Goldfinch, 191; Eastern Towhee, 4; Savannah Sparrow, 6; Slate-colored Junco, 851; Am. Tree Sparrow, 564; Chipping Sparrow, 2; Field Sparrow, 14; White-crowned Sparrow, 3; White-throated Sparrow, 183; Fox Sparrow, 31; Swamp Sparrow, 13; Song Sparrow, 97; Snow Bunting, 1. **Total,** 100 species; about 19,071 individuals. —H. L. Achilles, Miss L. Allen, C. Bartow, L. Bradley (compiler), Miss A. Bristow, Miss H. Bristow, Mr. & Mrs. M. Brown,

Miss M. Burow, R. Case, Mrs. H. Cherry, B. Cook, Dr. H. Coombs, Mrs. G. Cutler, G. de Lagerberg, B. Ficke, G. Fiero, R. Gauthey, Mrs. C. Gortner, A. Harger, Mr. and Mrs. H. Hayes, W. Jenkins, Mr. and Mrs. E. Leaycraft, R. Lemmon, Mrs. H. Long, J. Ludwig, Mrs. R. MacDonald, Mr. and Mrs. B. F. McGucken, G. Morgan, J. Norgren, M. Oboiko, D. Oliver, L. Pierson, S. Roberts, Mrs. J. C. Roop, P. Sauer, J. Schoolcraft, Miss L. Specht, C. Spofford, Mrs. R. Warren, Miss A. Warren, John Young (Westport Audubon Society, with cooperation of New Canaan Bird Protective Society and Conn. Audubon Society).

62. Brooklyn, N. Y. (same as last year, area west of Cross Bay Blvd., including Rockaway peninsula; wooded city parks 30%, sheltered bay 25%, salt marsh 20%, open fields 20%, outer beach and ocean 5%).—Dec. 27; 7:30 a.m. to 5 p.m. Fair, clearing; temp. 30° to 40°; wind increasing, 12 to 26 m.p.h.; ponds partly frozen, salt marsh mostly open. Twenty-eight observers in 9 parties. Total party-hours, 68 (65 on foot, 3 by car); total party-miles, 100 (90 on foot, 10 by car). Common Loon, 5; Red-throated Loon, 6; Red-necked Grebe, 1; Horned Grebe, 40; Pied-billed Grebe, 11; Gannet, 4; European Cormorant, 1; Great Blue Heron, 2; Black-crowned Night Heron, 38; Am. Bittern, 2; Snow Goose, 1; Mallard, 31; Black Duck, 612; Pintail, 1; Ring-necked Duck, 2; Greater Scaup, 4021 (1675±100, 2346); Lesser Scaup, 2; Am. Golden-eye, 93; Buffle-head, 63; Old-squaw, 9; White-winged Scoter, 3; Am. Scoter, 20; Ruddy Duck, 1; Hooded Merganser, 1; Red-breasted Merganser, 272; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 18; Sparrow Hawk, 18; Clapper Rail, 3; Am. Coot, 4; Killdeer, 44; Black-bellied Plover, 2; Greater Yellow-legs, 1; Purple Sandpiper, 26; Red-backed Sandpiper, 73; Sanderling, 29; Iceland Gull, 1; Great Black-backed Gull, 1342 (800±50, 542); Herring Gull, 15,350 (9000±500, 6350); Ring-billed Gull, 2357 (1500±200, 857); Laughing Gull, 1; Bonaparte's Gull, 1294; Black-headed Gull, 1; Brünnich's Murre, 1; Mourning Dove, 5; Short-eared Owl, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 16; Western Kingbird, 1; Horned Lark, 9; Blue Jay, 14; Am. Crow, 40; Black-capped Chickadee, 28; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 3; Brown Creeper, 1; Long-billed Marsh Wren, 1; Catbird, 1; Am. Robin, 15; Ruby-crowned Kinglet, 1; Water Pipit, 2; Common Starling, 35,000 (est.); Myrtle Warbler, 37; Palm Warbler, 1; House Sparrow, 3000; Eastern Meadowlark, 11; Red-winged Blackbird, 13; Brown-headed Cowbird, 4; Purple Finch, 1; Pine Siskin, 105; Am. Goldfinch, 28; Red Crossbill, 6; Eastern Towhee, 1; Savannah Sparrow, 80; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Slate-colored Junco, 43; Am. Tree Sparrow, 179; Field Sparrow, 29; White-throated Sparrow, 122; Fox Sparrow, 63; Swamp Sparrow, 13; Song Sparrow, 128; Snow Bunting, 123. **Total,** 87 species; 64,956 individuals. (The day after the Count and all week to New Year's and later: Harlequin Duck, 1 ♂; Am. Brant, 2.)—Mr. & Mrs. M. Bloom, Mrs. P. Busch, M. Cashman, R. Clermont, E. Daly, W. Daly, P. Ebersman, E. Feldhusen, M. Goldman, Rev. J. Hanlon, W. Jacoby, Alex. & Louise Jones, D. Kreissman, W. Kuebler, I. Laskowitz, E. McGovern, J. Nielsen, M. Noyes, E. Restivo, N. Smith, J. Soll, E. Swayer, V. Usin, E. Whelen, A. Wrede, L. Zeitz.

63. Quogue to Watermill, L. I., N. Y. (same as last year).—Dec. 20; 7 a.m. to 4:30 p.m. Clear in a.m., cloudy in p.m.; temp. 21° to 32°; wind NE, 12 to 15 m.p.h.; all bays and ponds open. One observer. Total hours, 9; total miles, 87 (3 on foot, 84 by car). Common Loon, 1; Horned Grebe, 29; Pied-billed Grebe, 12; Gannet, 17; Double-crested Cormorant, 1; Great Blue Heron, 17; Am. Bittern, 1; Mute Swan, 92; Canada Goose, 275; Mallard, 60; Black Duck, 210; Am. Widgeon, 510; Pintail, 8; Redhead, 100; Canvas-back, 28; Greater Scaup, 7000; Am. Golden-eye, 82; Buffle-head, 21; Old-squaw, 13; White-winged Scoter, 300; Ruddy Duck, 17; Hooded Merganser, 3; Red-breasted Merganser, 78; Sparrow Hawk, 1; Am. Coot, 1600; Black-bellied Plover, 18; Red-backed Sandpiper, 14; Marbled Godwit, 1 (collected, Dec. 22); Sanderling, 110; Great Black-backed Gull, 23; Herring Gull, 450; Ring-billed Gull, 11; Mourning Dove, 13; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 2; Horned Lark, 17; Blue Jay, 11; Am. Crow, 12; Black-capped Chickadee, 15; Winter Wren, 1; Catbird, 3; Brown Thrasher, 1; Am. Robin, 5; Hermit Thrush, 1; Golden-crowned Kinglet, 2; Loggerhead Shrike, 1; Common Starling, 540; Myrtle Warbler, 60; House Sparrow, 60; Eastern Meadowlark, 10; Rusty Blackbird, 2; Pine Siskin, 10; Am. Goldfinch, 16; Red Crossbill, 28; Ipswich Sparrow, 1; Slate-colored Junco, 13; Am. Tree Sparrow, 57; Chipping Sparrow, 1; Field Sparrow, 7; White-throated Sparrow, 7; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 38; Snow Bunting, 2. **Total,** 66 species; 12,052 individuals.—Leroy Wilcox.

64. Smithtown, L. I., N. Y. (7½-mile radius centering on Smithtown and including Nissequogue River area, L. I. Sound shore from Short Beach to Long Beach and Old Field Point, St. James and Stony Brook Harbors; pasture 10%, plowed land 10%, deciduous farm woodlots 50%, salt marsh 25%, pine grove 5%).—Dec. 26; 4:30 a.m. to 5 p.m. Clear; temp. 32° to 39°; wind SE, 12 m.p.h.; ground bare; fresh water open. Five observers in 5 parties. Total party-hours, 50 (40 on foot, 10 by car); total party-miles, 178 (34 on foot, 144 by car). Common Loon, 9; Red-throated Loon, 1; Red-necked Grebe, 2; Horned Grebe, 60; Pied-billed Grebe, 4; Great Blue Heron, 10; Black-crowned Night Heron, 58; Mute Swan, 23; Canada Goose, 8; Mallard, 250; Black Duck, 380; Am. Widgeon, 120; Pintail, 13; Green-winged Teal, 1; Ring-necked Duck, 150; Greater Scaup, 60; Am. Golden-eye, 150; Buffle-head, 235; Old-squaw, 125; White-winged Scoter, 200; Surf Scoter, 14; Am. Scoter,

11; Am. Merganser, 2; Red-breasted Merganser, 200; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Broad-winged Hawk, 1 (observed at close range in good light through 8x binoculars; wide band on tail seen clearly; also noticeably smaller in size than Red-shouldered Hawk observed immediately before.—J.G.R.); Sparrow Hawk, 1; Ring-necked Pheasant, 4; Florida Gallinule, 1; Clapper Rail, 6; Am. Coot, 11; Killdeer, 2; Wilson's Snipe, 2; Red-backed Sandpiper, 19; Great Black-backed Gull, 50; Herring Gull, 3500; Ring-billed Gull, 125; Mourning Dove, 23; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 5; Blue Jay, 9; Am. Crow, 100; Fish Crow, 2; Black-capped Chickadee, 40; White-breasted Nuthatch, 15; Brown Creeper, 1; Winter Wren, 8; Carolina Wren, 4; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 1; Catbird, 2; Am. Robin, 45; Eastern Bluebird, 1; Golden-crowned Kinglet, 9; Water Pipit, 1; Common Starling, 150; Myrtle Warbler, 3; House Sparrow, 30; Rusty Blackbird, 5; Cardinal, 2; Purple Finch, 35; Pine Siskin, 65; Am. Goldfinch, 15; Eastern Towhee, 1; Slate-colored Junco, 65; Am. Tree Sparrow, 100; White-throated Sparrow, 100; Swamp Sparrow, 19; Song Sparrow, 80; Snow Bunting, 7. **Total,** 76 species; 6771 individuals.—R. B. Fischer, M. S. Gordon, W. Z. Tidicker, Jr., J. G. & R. Ralston.

65. Southern Nassau County, L. I., N. Y. (area and habitat percentages same as last year).—Dec. 28; 6 a.m. to 11:30 p.m. Fair; temp. 8° to 20°; wind NW, to 30 m.p.h.; ground bare, most ponds open. Twenty-nine observers in 13 parties. Total party-hours, 90 (50 on foot, 40 by car); total party-miles 288 (59 on foot, 229 by car). Common Loon, 5; Red-throated Loon, 7; Red-necked Grebe, 2; Horned Grebe, 88; **Pied-billed Grebe,** 29; Gannet, 1; Double-creasted Cormorant, 1; Great Blue Heron, 29; Black-crowned Night Heron, 20; Am. Bittern, 2; Mute Swan, 17; Am. Brant, 465; Mallard, 325; Black Duck, 1790; Gadwall, 11; European Widgeon, 4; Am. Widgeon, 1365; Pintail, 83; Green-winged Teal, 111; **Shoveller,** 100; Ring-necked Duck, 26; Canvas-back, 200; Greater Scaup, 67; Lesser Scaup, 50; Am. Golden-eye, 27; Buffle-head, 3; Old-squaw, 28; White-winged Scoter, 171; Surf Scoter, 190; Am. Scoter, 85; Ruddy Duck, 50; **Hooded Merganser,** 50; Am. Merganser, 71; Red-breasted Merganser, 1134; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 11; Sparrow Hawk, 10; Bob-white, 1; Ring-necked Pheasant, 4; Clapper Rail, 2; Am. Coot, 128; Killdeer, 8; Black-bellied Plover, 14; **Ringed Plover,** 1 (observed at close range—B.C.B.); Wilson's Snipe, 3; Greater Yellow-legs, 1; Purple Sandpiper, 56; Red-backed Sandpiper, 65; Sanderling, 95; Great Black-backed Gull, 195; Herring Gull, 9500 (±500); Ring-billed Gull, 96; Laughing Gull, 2 (seen at close range with larger gulls, carefully identified—L.M.); **Black-legged Kittiwake,** 55 (unusual inshore flight noted by 2 parties—J.M., H.G., W.S., I.A.); Dovekie, 1; Mourning Dove, 37; Screech Owl, 1; **Barred Owl,** 1 (L.M.); Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 16; Horned Lark, 301 (Northern, 181; Prairie, 21, undifferentiated, 99); Blue Jay, 89; Am. Crow, 87; Black-capped Chickadee, 78; White-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 4; Long-billed Marsh Wren, 1; Catbird, 3; Am. Robin, 37; Hermit Thrush, 11; Eastern Bluebird, 3; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Common Starling 2110 (±100); Myrtle Warbler, 257; **Yellow-breasted Chat,** 2 (1 found dead, still warm, J.J.E.); House Sparrow, 772; Eastern Meadowlark, 20; Red-winged Blackbird, 4; **Rusty Blackbird,** 25 (flock wintering—E.M.); Brown-headed Cowbird, 9; **Western Tanager,** 1 (♀ first seen Nov. 16, repeatedly observed in same thicket by many observers until at least Jan. 4); Cardinal, 5; House Finch, 74; **Pine Siskin,** 211; Am. Goldfinch, 55; **Red Crossbill,** 50; Ipswich Sparrow, 3; Savannah Sparrow, 82; Sharp-tailed Sparrow, 1; Seaside Sparrow, 2; Slate-colored Junco, 193; Am. Tree Sparrow, 332; Chipping Sparrow, 2; Field Sparrow, 41; White-throated Sparrow, 169; **Fox Sparrow,** 118; Swamp Sparrow, 16; Song Sparrow, 153; Lapland Longspur, 1; Snow Bunting, 85. **Total,** 108 species (1 additional subspecies); about 22,301 individuals. — Robert Abraham, Irwin Alperin, Robert S. Arbib, Jr. (compiler), Dr. and Mrs. Benjamin C. Berliner, John L. Bull, Jr., Edna T. Campbell, Edwin E. Costich, Harry N. Darrow, Eugene Eisenmann, John J. Elliott, John M. G. Emory, William Feigin, Robert Ficken, Herman Goebel, Richard E. Harrison, Richard A. Herbert, Jay Kadane, Dr. Locke Mackenzie, Michael G. Mackenzie, John H. Mayer, Edmund Morgan, Beth Pettit, Ted S. Pettit, John Philips. Walter Sedwitz, Kathleen G. Skelton, Robert Stein, Richard A. Sloss.

66. Western Long Island, N. Y. (15-mile circle: Flushing Bay to North Hills, Whitestone to Atlantic Beach; suburban New York City 30%, Atlantic Ocean coast 5%, coastal marshes 15%, fresh water 5%, deciduous woods 10%, evergreen woods 5%, open woods 30%).—Dec. 20; 4:30 a.m. to 6:30 p.m. Partly cloudy in morning, cloudy by noon; temp. 35° to 39°; wind E, 10 to 15 m.p.h.; salt marsh and small ponds frozen. Thirty-six observers in 13 parties. Total party-hours, 125 (111 on foot, 14 by car); total party-miles, 345 (125 on foot, 220 by car). Red-throated Loon, 3; Horned Grebe, 16; Pied-billed Grebe, 34; Great Blue Heron, 9; Black-crowned Night Heron, 75; Am. Bittern, 2; Mute Swan, 4; Canada Goose, 1; Mallard, 558; Black Duck, 8100; Gadwall, 22; European Widgeon, 11; Am. Widgeon, 759; Pintail, 68; Green-winged Teal, 116; Shoveller, 16; Redhead, 4; Ring-necked Duck, 5; Canvas-back, 5190; Greater Scaup, 40,000; Lesser Scaup, 34; Am. Golden-eye, 197; Buffle-head, 177; Old-squaw, 7; White-winged Scoter, 32; Surf Scoter, 19; Am.

Scoter, 11; Ruddy Duck, 67; Hooded Merganser, 26; Am. Merganser, 48; Red-breasted Merganser, 243; Goshawk, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 5; Marsh Hawk, 10; Sparrow Hawk, 52; Ring-necked Pheasant, 29; King Rail, 1; Clapper Rail, 29; Am. Coot, 207; Killdeer, 155; Black-bellied Plover, 54; Wilson's Snipe, 6; Greater Yellow-legs, 4; Lesser Yellow-legs, 1; Red-backed Sandpiper, 349; Sanderling, 61; Great Black-backed Gull, 355; Herring Gull, 22,500; Ring-billed Gull, 464; Laughing Gull, 12; Bonaparte's Gull, 20; Mourning Dove, 161; Barn Owl, 1; Screech Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 13; Hairy Woodpecker, 7; Downy Woodpecker, 66; Eastern Phoebe, 4; Horned Lark, 212; Blue Jay, 226; Am. Crow, 469; Fish Crow, 1; Black-capped Chickadee, 328; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 2; Brown Creeper, 3; House Wren, 1; Winter Wren, 5; Long-billed Marsh Wren, 11; Catbird, 3; Am. Robin, 60; Hermit Thrush, 8; Eastern Bluebird, 11; Golden-crowned Kinglet, 15; Water Pipit, 20; Common Starling, 5069; Myrtle Warbler, 122; Palm Warbler, 11; Yellow-breasted Chat, 1; House Sparrow, 802; Eastern Meadowlark, 24; Red-winged Blackbird, 651; Rusty Blackbird, 1; Purple Grackle, 20; Brown-headed Cowbird, 65; Purple Finch, 7; House Finch, 6; Pine Siskin, 725; Am. Goldfinch, 96; Eastern Towhee, 12; Ipswich Sparrow, 2; Savannah Sparrow, 210; Sharp-tailed Sparrow, 7; Seaside Sparrow, 5; Vesper Sparrow, 5; Slate-colored Junco, 1591; Am. Tree Sparrow, 800; Field Sparrow, 117; White-throated Sparrow, 553; Fox Sparrow, 200; Swamp Sparrow, 17; Song Sparrow, 364; Lapland Longspur, 126; Snow Bunting, 28. **Total,** 107 species (2 additional subspecies); 93,479 individuals.—Wm. O. Astle, Walter Bock, John L. Bull, Jr., Orville M. Dunning, Richard Gaffney, Leonard J. Garland, Herman Goebel (compiler), Gerry Haller, Edwin Harper, Otto Heck, T. W. Henebry, Richard A. Herbert, Richard Koeppel, A. R. Larrabee, Wm. Larrabee, Peter Lippmann, Andrew Meyerriecks, Eric Mathews, John H. Mayer, Lawrence Merryman, Laura M. Miner, Mal Packman, Hugo Pladeck, Adele D. Potts, William W. Reid, Sr., George C. Rose, George Rosenthal, George Scheffel, William Scheffel, Dr. E. D. Sinsabaugh, Arthur Skopec, Frank B. Smithe, F. Norton Smithe, Charles F. Wright, Christine Wright, Sam Yeaton (Queens County Bird Club).

67. Bear Mt. — Harriman State Park, N. Y. (Bear Mountain south to Jones Point and west to Route 17; deciduous woods 40%, coniferous woods 15%, open fields 15%, swamps 20%, river 5%, lakes 5%).—Dec. 27; 7 a.m. to 4:45 p.m. Clear; temp. 22° to 36°; wind E to ESE, 3 to 6 m.p.h.; ground clear, lakes partly frozen. Eleven observers in 5 parties. Total party-hours, 46 (20 on foot, 26 by car); total party-miles, 151 (21 on foot, 130 by car). Mallard, 11; Black Duck, 74; Am. Golden-eye, 17; Am. Merganser, 41; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 1; Peregrine Falcon, 2; Ruffed Grouse, 7; Ring-necked Pheasant, 1; Am. Coot, 1; Great Black-backed Gull, 1; Herring Gull, 72; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 23; Blue Jay, 37; Am. Crow, 29; Black-capped Chickadee, 224; Tufted Titmouse, 6; White-breasted Nuthatch, 31; Red-breasted Nuthatch, 1; Brown Creeper, 28; Winter Wren, 3; Golden-crowned Kinglet, 85; Common Starling, 259; House Sparrow, 83; Rusty Blackbird, 2; Cardinal, 1; Pine Siskin, 11; Am. Goldfinch, 25; Slate-colored Junco, 139; Am. Tree Sparrow, 240; Field Sparrow, 2; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 15. **Total,** 41 species; 1503 individuals.—E. Brown, R. Deed, T. Eiben, Mr. & Mrs. I. Kennedy, J. Kenney, J. Orth, M. Sickels, P. Smith, Mr. & Mrs. F. Steffens.

68. Binghamton, N. Y. (7½-mile radius centering on a point ½ mile south of East Maine and including Chenango Valley State Park; deciduous woods 50%, pasture 15%, plow land 15%, coniferous woods 5%, marshes & rivers, etc. 5%, city 5%, suburbs 5°).—Dec. 21; 6:30 a.m. to 8:15 p.m. Overcast, scattered snow & sleet; temp. 29° to 42°; wind SE to ENE, 8 to 13 m.p.h.; 1-4 inches of snow on the ground, all small ponds & marshes frozen over. Twenty-nine observers in 9 parties. Total party-hours, 46 (29 on foot, 17 by car); total party-miles, 291 (35 on foot, 256 by car). Mallard, 3; Black Duck, 54; Am. Merganser, 5; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 6; Ring-necked Pheasant, 23; Herring Gull, 21; Ring-billed Gull, 6; Horned Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 6; Pileated Woodpecker, 5; Red-headed Woodpecker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 45: Horned Lark, 1; Blue Jay, 95; Am. Crow, 356; Black-capped Chickadee, 194; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 1; Brown Creeper, 11; Am. Robin, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 14; Common Starling, 3301; House Sparrow, 1564; Red-winged Blackbird, 2; Purple Grackle, 1; Cardinal, 8; Am. Goldfinch, 8; Slate-colored Junco, 57; Am. Tree Sparrow, 499; Song Sparrow, 19. **Total,** 36 species; 6373 individuals. (Seen in area Dec. 26, Myrtle Warbler, 1; Dec. 27, Common Redpoll, 5.)—W. C. Altman, L. E. Bemont (compiler), Miss H. J. Brown, T. Buckley, Miss J. C. Doren, Miss E. Fessenden, Miss N. Fletcher, K. Foster, Miss M. Hannon, M. Hannon, Mr. & Mrs. V. P. Hannon, Mrs. L. Irving, R. Kroiss, F. S. Marsi, Miss G. Marsi, Mr. & Mrs. F. V. Marsi, M. L. Moore, Miss A. Manbro, G. R. Rising, R. W. Saunders, R. P. Sheffield, W. Sieler, H. R. Taylor, N. Washburn, N. Washburn, Jr., Miss J. White, Miss M. White (Binghamton Naturalists' Club).

69. Bronx-Westchester Region, N. Y. (northern Bronx and southern Westchester Counties as in previous years).—Dec. 21; 7 a.m. to 5 p.m. Rain, light in a.m., heavy in p.m.; temp. 38° to

35°; wind strong NE, 15-35 m.p.h.; ground bare, nearly all fresh water open. Weather conditions terrible, poorest count in 10 years. Twenty-seven observers in 6 parties. Total party-hours, 55 (32 on foot, 23 by car); total party-miles, 58 (37 on foot, 21 by car). Common Loon, 1; Red-throated Loon, 3; Horned Grebe, 17; Pied-billed Grebe, 12; European Cormorant, 6; Great Blue Heron, 35; Black-crowned Night Heron, 15; Am. Bittern, 1; Mute Swan, 3; Canada Goose, 65; **Snow Goose,** 14 (third record, previous records singles only); Mallard, 63; Black Duck, 2270; Am. Widgeon, 12; Pintail, 1; Ring-necked Duck, 2; Canvas-back, 600; Greater Scaup, 10,300; Am. Golden-eye, 350; Buffle-head, 21; Old-squaw, 18; White-winged Scoter, 14; Ruddy Duck, 20; Hooded Merganser, 48; Am. Merganser, 22; Red-breasted Merganser, 400; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 7; Ring-necked Pheasant, 50; Clapper Rail, 2; Virginia Rail, 4; **Killdeer,** 102 (twice previous record); Purple Sandpiper, 8; Great Black-backed Gull, 78; Herring Gull, 6650; Ring-billed Gull, 31; **Laughing Gull,** 22 (more than double previous record; unknown in early winter prior to 1944, now regular at this time); Mourning Dove, 20; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 12; Horned Lark, 1; Blue Jay, 66; Am. Crow, 65; Black-capped Chickadee, 59; Tufted Titmouse, 2; White-breasted Nuthatch, 5; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 1; Long-billed Marsh Wren, 1; Am. Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 3; Water Pipit, 5; Common Starling, 2000; Myrtle Warbler, 20; **Yellow-breasted Chat,** 1 (seen very well, all characters noted; observed in a honeysuckle thicket near Scarsdale (J.B., H.D., R.S.); House Sparrow, 200; Eastern Meadowlark, 25; Red-winged Blackbird, 18; Brown-headed Cowbird, 12; Cardinal, 2; Pine Siskin, 69; Am. Goldfinch, 5; Savannah Sparrow, 20; Vesper Sparrow, 1; Slate-colored Junco, 175; Am. Tree Sparrow, 85; Field Sparrow, 18; White-throated Sparrow, 95; Fox Sparrow, 10; Swamp Sparrow, 9; Song Sparrow, 160. **Total,** 78 species; about 24,457 individuals.—D. Amadon, J. Bull (compiler), I. Cantor, H. Darrow, E. Eisenmann, W. Ephraim, W. Feigin, M. Fiedler, I. Glasser, M. Glasser, H. Goebel, R. Harrison, R. Herbert, R. Honor, G. Komorowski, R. Lehrman, J. Mayer, W. Norse, J. Orenstein, H. Paskin, J. Phelan, J. Philips, R. Rashbaum, G. Schmidt, W. Sedwitz, Mrs. K. Skelton, R. Sloss.

70. **Buffalo, N.Y.** (7½-mile radius centering on Grand Island, area same as last year).—Dec. 21; 6 a.m. to 6 p.m. Overcast; temp. 33° to 35°; wind NE to SW, 0-5 m.p.h.; except for a few areas ground covered with 2 to 6 in. wet snow. Fifty-one observers in 18 parties, Total party-hours, 119¾ (81½ on foot, 38¼ by car); total party-miles, 494½ (97½ on foot, 397 by car). Common Loon, 8; Horned Grebe, 7; Pied-billed Grebe, 4; Great Blue Heron, 15; Black-crowned Night Heron, 12; Mallard, 492; Black Duck, 1010; Gadwall, 2; Am. Widgeon, 2; Pintail, 29; Green-winged Teal, 3; Redhead, 5; Ring-necked Duck, 3; **Canvas-back,** 10,000 (est.); Greater Scaup, 1546; Lesser Scaup, 11; Am. Golden-eye, 1436; Buffle-head, 28; Old-squaw, 76; **Harlequin Duck,** 2 (present since late Nov.—H.H.A.); White-winged Scoter, 3; Am. Scoter, 6; Am. Merganser, 841; Red-breasted Merganser, 631; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 14; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 106; Ruffed Grouse, 4; Ring-necked Pheasant, 211; Glaucous Gull, 2; Iceland Gull, 3 (Iceland, 1; **Kumlien's,** 2—B.N.); Great Black-backed Gull, 18; Herring Gull, 2009; Ring-billed Gull, 463; Bonaparte's Gull, 734; Screech Owl, 9; Horned Owl, 7; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Hairy Woodpecker, 19; Downy Woodpecker, 83; Horned Lark, 31; Blue Jay, 76; Am. Crow, 195; Black-capped Chickadee, 265; White-breasted Nuthatch, 26; Brown Creeper, 34; Winter Wren, 4; Am. Robin, 7; Golden-crowned Kinglet, 13; Common Starling, 2975; House Sparrow, 2577; Eastern Meadowlark, 2; Red-winged Blackbird, 2; Purple Grackle, 4; Cardinal, 17; Purple Finch, 3; Common Redpoll, 11; Pine Siskin, 9; Am. Goldfinch, 11; Slate-colored Junco, 24; **Am. Tree Sparrow,** 1044; **Swamp Sparrow,** 21; Song Sparrow, 16. **Total,** 68 species (1 additional subspecies); 27,235 individuals.—William H. Almendinger, Dr. and Mrs. Harold H. Axtell, Clark S. Beardslee, James Braunberns, Mr. and Mrs. Arthur C. Brettle, Richard Byron, Helen M. Creighton, Mr. and Mrs. Edward P. Cummiskey, Mary Louise Emerson, Herbert Evans, Donald J. Gamble, David Gerwitz, Phil Greene, David Griffin, Mr. and Mrs. R. Gardner Griffin, Fred T. Hall, Mr. and Mrs. Axel Heilborn, Julie Heilborn, Karl Heilborn, William Horne, H. K. Inskip, Mr. and Mrs. Ray Kirsch, Hart Kivett, Philip Klabunde, Mr. and Mrs. Walter Klabunde, Mercedeth Lovelace, W. R. McCann, Harold D. Mitchell, Mr. and Mrs. Richard Myles, Bernard Nathan, Frances M. Rew, Mr. and Mrs. Harold L. Rice, Wheeler M. Rogerson, James Savage, Arthur Schaffner, Edward L. Seeber, Heather G. Thorpe, Mr. and Mrs. Edward C. Ulrich, Gertrude G. Webster, Margaret Wendling, Marie A. Wendling (Buffalo Ornithological Society).

71. **Cortland, N.Y.** (same as last year).—Dec. 28; 7 a.m. to 6 p.m. Partly cloudy; temp. 6° to 18°; wind N to W, 1-10 m.p.h.; 3-in. snow on ground; streams open. Two observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 60 (11 on foot, 49 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 26; Black Duck, 253; Pintail, 1; Canvas-back, 2; Greater Scaup, 2; Lesser Scaup, 5; Am. Golden-eye, 10; Am. Merganser, 12; Sparrow Hawk, 1; Ring-necked Pheasant, 4; Herring Gull, 7; Ring-billed Gull, 7; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 1; **Yellow-shafted Flicker,** 1; Hairy Woodpecker, 2; Downy Woodpecker, 10; Blue Jay, 3; Am. Crow, 35; Black-capped Chickadee, 36; White-breasted Nuthatch, 8; Brown Creeper, 3;

Golden-crowned Kinglet, 4; **Gray Shrike,** 2; Common Starling, 226; House Sparrow, 107; **Red Crossbill,** 1; Slate-colored Junco, 5; **Am. Tree Sparrow,** 217; **Field Sparrow,** 1; Swamp Sparrow, 1; Song Sparrow, 9. **Total,** 36 species; 1007 individuals.—Harold H. Axtell, Rachel C. Axtell.

72. **Fort Plain, N.Y.** (Mohawk River, valleys of Oak, Little Run, Eisenlord, Otsquene and Otsquago Creeks; mixed deciduous and coniferous woods 50%, open farmland 30%, river swamps and flats 20%).—Dec. 28; 7:50 a.m. to 5:50 p.m. Fair, sunshine, cloudy late p.m.; temp. 2° to 15°; wind NW, 8-12 m.p.h.; ground almost bare; heavy moving ice floes in river, creeks partly frozen. One observer, with dog. Total hours, 10 (on foot); total miles, 12 (on foot). Black Duck, 15; Ruffed Grouse, 1; Herring Gull, 19; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Am. Crow, 8; Black-capped Chickadee, 40; White-breasted Nuthatch, 5; Brown Creeper, 1; Golden-crowned Kinglet, 4; Common Starling, 110; House Sparrow, 83; Red-winged Blackbird, 1; Am. Tree Sparrow, 10. **Total,** 16 species; 306 individuals. Fresh pheasant tracks in snow. (Seen in area Dec. 29: Screech Owl, 1; Horned Owl, 1; Barred Owl, 2; Song Sparrow, 1.) —Douglas Ayres, Jr.

73. **Geneva, N.Y.** (same as last year; open farm land 45%, town suburbs 15%, mixed woods 25%, lake 15%).—Dec. 28; 8 a.m. to 4 p.m. Clear in a.m.; cloudy in p.m.; temp. 15° to 25°; wind NW, 5 m.p h.; ground bare, ponds frozen; Seneca Lake open. Twenty observers in 10 parties. Total party-hours, 33½ (19½ on foot, 14 by car); total party-miles, 109½ (19½ on foot, 90 by car). Horned Grebe, 33; Great Blue Heron, 1; Mallard, 5; Black Duck, 155; Redhead, 3000 (est.); Canvasback, 1; Greater Scaup, 3000 (est.); Lesser Scaup, 22; Am. Golden-eye, 33; Buffle-head, 8; Ruddy Duck, 2; Am. Merganser, 9; Red-breasted Merganser, 8; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 3; Sparrow Hawk, 8; Ring-necked Pheasant, 8; Am. Coot, 62; Great Black-backed Gull, 1; Herring Gull, 88; Ring-billed Gull, 2; Mourning Dove, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 44; Horned Lark, 25; Blue Jay, 23; Am. Crow, 83; Black-capped Chickadee, 122; White-breasted Nuthatch, 22; Brown Creeper, 6; Mockingbird, 1 (seen at feeder for past 6 weeks; observed by several members); Common Starling, 172; House Sparrow, 224; Cardinal, 19; Common Redpoll, 6; Am. Goldfinch, 41; Slate-colored Junco, 27; Am. Tree Sparrow, 118; Song Sparrow, 4. **Total,** 41 species; 7412 individuals. —Kearney Brownell, Leora Dryer, Mrs. Alfred Fitch, Mr. and Mrs. Foster Gambrell, Kenneth Gambrell, F. Z. Hartzell, Mrs. Frank McGuire, Ethel Murden, Rose Murphy, Guion Roland, Loren Ward, John Wellington, Dr. and Mrs. S. A. Munford, Lansing Hoskins, Jr., C. Sealey Peck, Thomas Smart, Michael Chiodo, Jason Walker.

74. **Hamburg, Orchard Park, East Aurora, N.Y.** (7½-mile radius centering on Chestnut Ridge Park, and including Emery Park; open farm land 60%, public parks 10%, suburban areas 5%, deciduous woods 15%, evergreen woods 4%, cattail marsh 1%, small ponds and 1 mile of Lake Erie shore 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear; temp. -4° to 20°; wind SW, 5-20 m.p.h.; ground covered with 3-in. snow; ponds frozen; Lake Erie and streams open. Forty-four observers in 19 parties. Total party-hours, 105 (33 on foot, 72 by car); total party-miles, 609 (57 on foot, 552 by car). Am. Golden-eye, 32; Red-breasted Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 11; Ring-necked Pheasant, 91; Herring Gull, 40; Screech Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 61; Horned Lark, 13; Blue Jay, 34; Am. Crow, 193; Black-capped Chickadee, 414; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 26; Cedar Waxwing, 60; Common Starling, 1311; House Sparrow, 2716; Red-winged Blackbird, 1; Cardinal, 25; Comon Redpoll, 760; Pine Siskin, 25; Am. Goldfinch, 2; Slate-colored Junco, 72; Am. Tree Sparrow, 832; White-throated Sparrow, 1; Song Sparrow, 5; Lapland Longspur, 8; Snow Bunting, 443. **Total,** 38 species; 7233 individuals. (Two Yellow-shafted Flickers were seen on Dec. 25.)—W. H. Almendinger, R. Anerle, Mr. & Mrs. C. W. Avery, Jr., Mr. & Mrs. J. E. Bacon, J. Bacon, Mr. and Mrs. H. Bannas, T. L. Bourne, Mrs. E. Boynton, J. E. Braunberns, Mrs. S. F. Brown, R. Byron, Mrs. J. A. Creighton, Mr. & Mrs. G. B. Dorman, Mrs. L. M. Ellis, Dr. & Mrs. K. F. Eschelman, D. M. Frederick, Mrs. N. Gorham, Jr., Mr. & Mrs. R. G. Griffin, D. Griffin, Mrs. G. D. Guenther, Mrs. W. W. Hammerslay, Sarah Knight, Mrs. P. A. Knopp, Dr. & Mrs. H. S. Krakauer, Mrs. H. Lilga, Genevieve Lilly, Mrs. C. C. Lindstrom, K. Lovas, Mrs. M. Lovelace, Mrs. R. D. Madison, Mr. & Mrs. W. H. McShane, Mrs. W. C. Miller, Helen Mintz, H. D. Mitchell, B. Nathan, Mr. & Mrs. J. New, Mrs. R. O. Patterson, Frances G. Rew, Frances M. Rew, Mrs. R. D. Samdahl, Ruth Steingruber, Heather G. Thorpe, F. T. Tilley, Lena Turner, Mr. & Mrs. E. C. Ulrich, F. Vanderbles, Gertrude G. Webster, Mr. & Mrs. S. B. Wixom, C. T. Wolfling, A. J. Wright, 2nd.

75. **Jamestown, N.Y.** (7½-mile radius centering on 6th & Main Sts., north to Gerry, south to Riverside, east to Poland, west to Ashville; open water 20%, deciduous 17%, field 20%, marsh 5%, coniferous 28%, suburbs, 10%).—Dec. 28; 7 a.m. to 6 p.m. Cloudy; temp. 16° to 25°; wind SW, 10 m.p.h.; 2-in. fresh snow on ground, all water frozen except small, swift streams. Sixteen observers in 4 parties. Total party-hours, 25 (15 on foot, 10 by car); total party-miles, 75 (20 on foot, 55 by car). Am. Golden-eye, 5; Cooper's Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 3; Ring-necked Pheasant, 12; Herring Gull, 210; Ring-billed

Gull, 3; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 22; **Horned Lark,** 2 (J.B., R.E.J., R.L.J., P.R.); Blue Jay, 16; Am. Crow, 1; Black-capped Chickadee, 96; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 3; Brown Creeper, 10; Am. Robin, 6; Golden-crowned Kinglet, 4; Cedar Waxwing, 21; Common Starling, 2195; House Sparrow, 440; **Rusty Blackbird,** 1 ♂ (2nd winter record—C.B., R.A.S., R.H.S.,); Cardinal, 10; Am. Goldfinch, 8; Slate-colored Junco, 8; Am. Tree Sparrow, 332; **Field Sparrow,** 1 (D.A., R.H.S.); **Swamp Sparrow,** 4 (D.A., R.H.S.); Song Sparrow, 11; **Snow Bunting,** 9 (S.T.). **Total,** 35 species; 3475 individuals. (Seen in area during period, Ruby-crowned Kinglet, 1; Hermit Thrush, 1.)—J. Bursewicz, P. Robinson, R. L. & R. E. Jurkowski, C. Parker, M. Handago, R. & D. Olson, D. Ruttenburr, W. Bigelow, C. Beal, G. Bentley, S. Taylor, R. H. & R. A. Sundell, D. Anderson.

76. Kingston—Lake Mohonk—Ashokan Reservoir Triangle, N. Y. (same as last year, lower wooded slope about Lake Mohonk gatehouse included).—Dec. 27; 7 a.m. to 4 p.m. Clear, calm, later windy, snow flurries; temp. 26° to 32°; wind NW calm to 30 m.p.h.; ground bare, water mostly open. Ten observers in 5 parties. Total party-hours, 21¼ (18 on foot, 3¼ by car); total party-miles, 46 (11 on foot, 35 by car). Black Duck, 500+; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 7; Ring-necked Pheasant, 2; Herring Gull, 32; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 23; Blue Jay, 21; Am. Crow, 102; Black-capped Chickadee, 131; Tufted Titmouse, 2; White-breasted Nuthatch, 11; Brown Creeper, 5; Winter Wren, 1; Am. Robin, 155; Hermit Thrush, 2; Eastern Bluebird, 9; Golden-crowned Kinglet, 20; Cedar Waxwing, 7; Common Starling, 108; House Sparrow, 92; Purple Grackle, 1; Cardinal, 3; Purple Finch, 35; Pine Siskin, 4; Am. Goldfinch, 16; Slate-colored Junco, 86; Am. Tree Sparrow, 145; White-throated Sparrow, 3; Song Sparrow, 2. **Total,** 34 species; 1538 individuals. (Carolina Wren and Pileated Woodpecker seen shortly before and after the Count.)—A. M. Cragin, H. F. Dunbar, I. K. Dunbar, Fred Hough, Wileta Hough, Ralph H. Johnson, Robert Pyle, Dan Smiley, Jr., Dan C. Smiley, Raymond Van Valkenburgh (John Burroughs Natural History Society).

77. Monticello, N. Y. (7½-mile radius centering on a point on Neversink River, 3.7 miles south of Bridgeville bridge; feeders and village streets 25%, open fields and farm lands 6%, river borders 25%, marsh area 10%, mixed deciduous and coniferous woods 34%).—Dec. 27; 7:40 a.m. to 4:40 p.m. Clear, with occasional snow squalls; temp. 22° to 16°; wind W, 3-25 m.p.h.; ground mostly bare at start, ½-in. snow by noon; rivers and streams open, ponds and small lakes frozen, large lakes partially frozen. Seventeen observers in 10 parties. Total party-hours, 21½ (2 on foot, 14 by car, 5½ at feeders); total party-miles, 135 (6 on foot, 129 by car). Black Duck, 19; Hooded Merganser, 2; Am. Merganser, 21; Bald Eagle, 4; Ruffed Grouse, 3; Ring-necked Pheasant, 3; Killdeer, 1 (E.McB., E.M., J.O'D.); Herring Gull, 5; Barn Owl, 2; Barred Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 15; Downy Woodpecker, 11; Blue Jay, 61; Am. Crow, 16; Black-capped Chickadee, 57; White-breasted Nuthatch, 4; Common Starling, 122; House Sparrow, 155; Rose-breasted Grosbeak, 3 (3 males in one tree, studied for at least three minutes thru 7x binoculars, at a distance of 75 feet, before they flew off to a nearby swamp; thick bill, black and white wing pattern and bright rose V-patch on breast were clearly noted—E.McB., E.M., J.O'D.); Brown-headed Cowbird, 2; Pine Siskin, 148; Am. Goldfinch, 22; Slate-colored Junco, 24; Am. Tree Sparrow, 33. **Total,** 26 species; 737 individuals. (Seen in area during count period: Mallard, 2; Greater Scaup, 2; Am. Golden-eye, 3; Cedar Waxwing, 1; Evening Grosbeak, 11; Song Sparrow, 1; Snow Bunting, 1.)—Mrs. Charles Atwell, Edward Burckhardt, Mrs. Andrew Eckhoff, Mrs. Drew Furman, Richard Johnston, Mr. and Mrs. Edward McBride, Eddie Morse, Mrs. Virginia T. Niven, Mr. (compiler) and Mrs. Kenneth D. Niven, Jackie O'Donnell, Ruth Pokorny, Mrs. Delmont Race, Seymour Roseig, Mrs. David Schulman, Mrs. Andrew Winterberger (Sullivan County Audubon Society).

78. Olean, N. Y. (7½-mile radius centering on State and Union Sts., cleared land in valley 35%, mixed coniferous and deciduous forest 45%, stream border 20%).—Dec. 28; 7 a.m. to 5 p.m. Clear in a.m., cloudy in p.m.; temp. -7° to 21°; wind NW, 1-7 m.p.h.; 2 to 4 in. light snow; Allegheny River and large tributaries frozen over for about ½ their lengths. Three observers in 2 parties. Total party-hours, 12 (7 on foot, 5 by car); total party-miles, 54 (14 on foot, 40 by car). Sparrow Hawk, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 19; Black-capped Chickadee, 76; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 4; Brown Creeper, 2; Winter Wren, 1; Common Starling, 570; House Sparrow, 107; Red-winged Blackbird, 5; Brown-headed Cowbird, 15; Slate-colored Junco, 32; Am. Tree Sparrow, 88; White-throated Sparrow, 1; Song Sparrow, 2; Snow Bunting, 21. **Total,** 22 species; 978 individuals. (Seen in area during period: Pine Siskin, 30; Am. Goldfinch, 24; White-winged Crossbill, 25.)—S. W. Eaton, F. G. Meyers, Robert Werrlein.

79. Oswego, N. Y. (Fair Haven State Park, Lake Ontario shore area between Oswego, southwest Oswego, and Minetto; wooded marsh 15%, cattail marsh 10%, bushy and open fields 15%, plowed fields 5%, lakes 15%, river 10%, deciduous woods 20%, coniferous woods 10%).—Dec. 21; 7:30 a.m. to 4:30 p.m. Overcast; temp. 25° to 33°; wind variable, 5-15 m.p.h.; 2-in. wet snow, intermittent

flurries of snow and light rain; Lake Ontario open, bay at Fair Haven open, 3% of marshland open, Oswego River open. Three observers in 1 party. Total party-hours, 9 (5½ on foot, 3½ by car); total party-miles, 77 (5 on foot, 72 by car). Black Duck, 2; Am. Golden-eye, 20; Buffle-head, 4; Am. Merganser, 19; Red-breasted Merganser, 7; Red-shouldered Hawk, 1; European Partridge, 1; Ring-necked Pheasant, 4; Am. Coot, 1; Great Black-backed Gull, 2; Herring Gull, 278; Ring-billed Gull, 404; Belted Kingfisher, 1; Downy Woodpecker, 3; Am. Crow, 17; Black-capped Chickadee, 24; White-breasted Nuthatch, 3; Brown Creeper, 3; Am. Robin, 1; Common Starling, 250; House Sparrow, 8; Purple Finch, 1; Am. Goldfinch, 30; Slate-colored Junco, 20; Am. Tree Sparrow, 150; Swamp Sparrow, 1; Song Sparrow, 1. **Total,** 27 species; 1257 individuals. (Seen in area, Dec. 28; Cardinal, 1.)—Mrs. Thomas Bailey, Robert O'Rourke, Mrs. Robert L. Tucker (compiler).

80. Port Chester, N. Y.—Greenwich-Stamford, Conn. (same area as last 31 years).—Dec. 28; 6:30 a.m. to 6 p.m. Clear; temp. 6° to 22°; wind NW, 20-35 m.p.h.; ponds frozen, reservoirs open. Eighty-two observers (41 in 16 parties, and 41 at feeding stations). Total party-hours, 84 (57 on foot, 27 by car); total party-miles, 234 (57 on foot, 177 by car). Common Loon, 1; Red-throated Loon, 6; Horned Grebe, 204; Pied-billed Grebe, 14; European Cormorant, 8; Great Blue Heron, 37; Yellow-crowned Night Heron, 1; Black-crowned Night Heron, 15; Mute Swan, 6; Canada Goose, 200; Mallard, 284; Black Duck, 933; Am. Widgeon, 5; Ring-necked Duck, 141; Greater Scaup, 3700; Lesser Scaup, 1 (M.S.R.); Am. Golden-eye, 185; Buffle-head, 314; Old-squaw, 173; White-winged Scoter, 590; Surf Scoter, 30; Hooded Merganser, 26; Am. Merganser, 196; Red-breasted Merganser, 325; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 5; Ring-necked Pheasant, 6; Clapper Rail, 1; Killdeer, 40; Am. Woodcock, 1; Purple Sandpiper, 40; Sanderling, 7; Great Black-backed Gull, 13; Herring Gull, 1814; Ring-billed Gull, 50; Mourning Dove, 77; Barn Owl, 2; Horned Owl, 4; Barred Owl, 5; Saw-whet Owl, 3; Belted Kingfisher, 11; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Hairy Woodpecker, 29; Downy Woodpecker, 118; Horned Lark, 9; Blue Jay, 228; Am. Crow, 147; Black-capped Chickadee, 555; Tufted Titmouse, 23; White-breasted Nuthatch, 146; Brown Creeper, 8; Winter Wren, 6; Carolina Wren, 1; Mockingbird, 1; Brown Thrasher, 2; Am. Robin, 16; Hermit Thrush, 3; Eastern Bluebird, 44; Golden-crowned Kinglet, 9; Water Pipit, 40; Cedar Waxwing, 47; Common Starling, 1357; Yellow-breasted Chat, 1; Myrtle Warbler, 51; House Sparrow, 808; Dickcissel, 3; Purple Grackle, 1; Brown-headed Cowbird, 6; Cardinal, 24; Purple Finch, 81; House Finch, 30; Pine Siskin, 71; Am. Goldfinch, 98; Eastern Towhee, 5; Savannah Sparrow, 2; Slate-colored Junco, 589; Am. Tree Sparrow, 154; Chipping Sparrow, 2; Field Sparrow, 8; White-throated Sparrow, 273; Fox Sparrow, 25; Swamp Sparrow, 2; Song Sparrow, 184; Snow Bunting, 3. **Total,** 89 species; 14,710 individuals. (Green-winged Teal, 1, Redhead, 2, Dec. 22; Screech Owl, 1, and Long-eared Owl, 1, Dec. 29; Ruby-crowned Kinglet, 1, Dec. 27; Red-winged Blackbird, 3, Dec. 22. ERRATA: Harlequin Duck, Dec. 29, 1951, was seen at Montauk, L. I. and listed at the close of the 1951 Port Chester count through a misunderstanding.)—Mr. & Mrs. E. A. Beddall, L. J. Bradley, L. C. Brown, R. L. Burdsall, M. Burow, W. B. Cook, P. DeLaura, Mrs. H. E. Dickenson, Mrs. E. W. Easton, G. W. Fiero, Jr., D. Fowler, Mrs. W. Geis, J. Geoghegan, Mr. & Mrs. S. O. Grierson, K. & J. Harte, Mrs. G. H. Kautzmann, E. T. Ludhe, E. S. Manning, A. & J. C. Maples, D. McDougall, A. McWaters, J. Moxhay, S. Myers, J. Norgen, M. Oboiko, R. Odell, M. S. Roesler, A. Schulman, W. B. Scofield, D. Shipley, P. C. Spofford, Mrs. Spring, Mr. & Mrs. Steinhardt, I. Swift, A. Togut, M. Wrangell—field parties (including members of Bedford, Scarsdale, and Westport Audubon Societies) [C. E. Mohr, compiler].

81. Rensselaerville, N. Y. (7½-mi. radius including Edmund Niles Huyck Preserve Inc.; Helderberg Mountain region, altitude 1200 to 2000 ft.; open fields 25%, reforested plantations 15%, village areas 5%, deciduous wooded slopes and second growth areas 55%).—Dec. 27; 9 a.m. to 4 p.m. Bright skies; temp. -6° to 15°; wind NW, 5 to 10 m.p.h.; 2-in. snow in woods only; all ponds frozen; only fast-flowing brooks open. Five observers in 1 party. Total party-hours, 7 (4½ on foot, 2½ by car); total party-miles, 55 (8 on foot, 47 by car). Red-tailed Hawk, 2; Bald Eagle, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 1; Hairy Woodpecker, 5; Downy Woodpecker, 5; Blue Jay, 18; Am. Crow, 16; Black-capped Chickadee, 58; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 2; Golden-crowned Kinglet, 1; Common Starling, 110; House Sparrow, 91; Common Redpoll, 77; Am. Goldfinch, 11; Eastern Towhee, 1; Slate-colored Junco, 4; Am. Tree Sparrow, 95. **Total,** 20 species; 508 individuals.—Paul C. Lemon, Anna W. Perkins, Robin Cooley, George R. Cooley, James L. Tigner.

82. Rochester, N.Y. (7½-mile radius centering on Dewey Ave. and Stone Rd. as in 1951).—Dec. 28; 6 a.m. to 6 p.m. Some sun in morning, cloudy later; temp. 8° to 24°; wind SSW, 7-17 m.p.h.; 1-in. snow on ground; all ponds frozen; Lake Ontario open. Forty-four observers in 15 parties. Total party-hours, 107 (72 on foot, 35 by car); total party-miles, 438 (82 on foot, 356 by car). Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 19; Black Duck, 129; **Redhead,** 23; Greater Scaup, 226 (225 est., 1); Lesser Scaup, 5 (est.); Am. Golden-eye, 261 (210 est., 51); **Buffle-head,** 23; Old-squaw, 77; White-winged Scoter, 4; Surf Scoter, 1; Am. Merganser, 516 (475 est., 41); **Red-breasted Merganser,** 813 (800 est., 13); Sharp-shinned Hawk, 1; Cooper's

Hawk, 3; Red-tailed Hawk, 4; Rough-legged Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 12; Ring-necked Pheasant, 136; **Glaucous Gull,** 4; Iceland Gull, 1; Great Black-backed Gull, 37; Herring Gull, 2746 (2700 est., 46); Ring-billed Gull, 1334 (1300 est., 34); Bonaparte's Gull, 5; Screech Owl, 4; Horned Owl, 5; Short-eared Owl, 2; **Yellow-shafted Flicker,** 12; Hairy Woodpecker, 18; Downy Woodpecker, 53; Horned Lark, 13; Blue Jay, 18; **Am. Crow,** 8033 (8000 est., 33); Black-capped Chickadee, 260 (95 est., 165); White-breasted Nuthatch, 28; Red-breasted Nuthatch, 5; Brown Creeper, 10; Winter Wren, 2; **Carolina Wren,** 2; Long-billed Marsh Wren, 2; Am. Robin, 18; **Hermit Thrush,** 2; Golden-crowned Kinglet, 31; Cedar Waxwing, 93; Gray Shrike, 2; Common Starling, 1683 (1500 est., 183); **Red-eyed Vireo,** 1 (observed at close range by Mrs. T. McN. and all diagnostic characters noted; this bird has been in vicinity since Nov. 27 and has been seen by several other observers); **Myrtle Warbler,** 7; Common Yellowthroat, 1; House Sparrow, 963 (900 est., 63); Red-winged Blackbird, 13; **Rusty Blackbird,** 42; Purple Grackle, 1; Brown-headed Cowbird, 8; Cardinal, 49; Purple Finch, 12; Common Redpoll, 74; **Pine Siskin,** 77 (50 est., 27); **Am. Goldfinch,** 48 (30 est., 18); Slate-colored Junco, 65; Am. Tree Sparrow, 529 (450 est., 79); **White-throated Sparrow,** 8; **Swamp Sparrow,** 17; Song Sparrow, 25; Snow Bunting, 10. **Total,** 69 species; about 18,635 individuals. —T. Barry, J. Barlow, D. Bieber, L. A. Cistar, H. E. Clements, J. Conway, Jr., Mr. & Mrs. R. Dakin, R. Dobson, R. E. Dolan, W. Edson, Elaine Fahey, Helen Foster, H. Fritts, R. Hartwell, Dr. & Mrs. R. Hellmann, B. Johnson, Jr., G. W. Jones, Jr., Mr. & Mrs. A. Kemnitzer, A. Klonick, Dr. G. Leubner, W. Listman, E. McCarthy, R. McKinney, Mr. & Mrs. J. McNett, H. Miller, R. Miller, Dr. & Mrs. N. S. Moon, Dr. W. Muchmore, D. Nelson, R. O'Hara, G. Rising, H. Schaefer, A. Secker, W. Shields, A. Tanghe, Dr. L. Tanghe, J. W. Taylor, H. Van Buerden, B. Zimmer (Genesee Ornithological Soc. and Burroughs Audubon Nature Club).

83. Rockland County, N. Y. (same area as 1947 and subsequent years; same habitat coverage as 1950).—Dec. 27; 6:15 a.m. to 5 p.m. Clear at start with cold front bringing snow flurries and NW gusty wind from noon on; temp. 27° to 36° to 28°; ground bare, ponds and streams open. Twenty-nine observers in 9 parties. Total party-hours, 87 (71 on foot, 16 by car); total party-miles, 448 (69 on foot, 379 by car). **Red-throated Loon,** 1 (first time on census, third time for area—Mr. and Mrs. J.C.O., J.K.); **Horned Grebe,** 1; **Pied-billed Grebe,** 3 (M.S.); Mute Swan, 1; Mallard, 7; Black Duck, 158; Redhead, 2; **Ring-necked Duck,** 3 (M.S.); Canvas-back, 159; Scaup (probably Greater), 6; Am. Golden-eye, 34; Ruddy Duck, 200 (est.); Am. Merganser, 148; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; **Broad-winged Hawk,** 1 (seen well in flight—H.S.K., J.H.L.); **Rough-legged Hawk,** 1 (light phase; seen perched at 400 ft. and in flight—R.F.D., K.D.D.); Bald Eagle, 8; Peregrine Falcon, 1; Sparrow Hawk, 9; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Great Black-backed Gull, 12; Herring Gull, 268; Ring-billed Gull, 3; Mourning Dove, 20; Barred Owl, 2; Belted Kingfisher, 7; Yellow-shafted Flicker, 27; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 121; **Eastern Phoebe,** 1 (Mrs. F.S., Mrs. E.W.); Blue Jay, 296; Am. Crow, 161; Black-capped Chickadee, 497; Tufted Titmouse, 142; White-breasted Nuthatch, 70 (very low); Brown Creeper, 21; Winter Wren, 4 (1 singing for 5 min. at dawn—R.F.D.); **Mockingbird,** 2; Catbird, 2; Am. Robin, 31; Hermit Thrush, 3; Eastern Bluebird, 44; Golden-crowned Kinglet, 41; **Ruby-crowned Kinglet,** 3 (Mrs. W.G.I.); Cedar Waxwing, 56 (54 in 1 locality); Common Starling, 2262 (4 times previous high total); Myrtle Warbler, 280 (nearly 3 times previous high); House Sparrow, 725; Eastern Meadowlark, 3; Red-winged Blackbird, 11; Brown-headed Cowbird, 12; Cardinal, 49; **Dickcissel,** 2 (daily at feeding station since Oct. 19—Dr. M.R.H.); Purple Finch, 73; Pine Siskin, 65; Am. Goldfinch, 96 (low); Eastern Towhee, 5; **Savannah Sparrow,** 3 (F.S., E.K.); **Grasshopper Sparrow,** 1 (studied 5 min. from all angles; apparently injured, with one leg bent askew—Mr. and Mrs. J.C.O., J.K.); Slate-colored Junco, 866; Am. Tree Sparrow, 444; **Chipping Sparrow,** 2 (Mrs. W.G.I.); Field Sparrow, 11; White-throated Sparrow, 313; **Fox Sparrow,** 6; Swamp Sparrow, 5; Song Sparrow, 124. **Total,** 70 species; about 7966 individuals. (Seen in area Dec. 23: Palm Warbler; Jan. 1: Pileated Woodpecker, Carolina Wren.)—Mrs. Edmund Barron, Mrs. Earl B. Brown, Eugene R. Brown, Dr. Robert L. Burkhart, Robert F. Deed (compiler), Dr. Guy Deming, Katherine D. Dienemann, Dr. Marjorie R. Hopper, Mr. and Mrs. William G. Irving, Homer S. Kelsey, Mr. and Mrs. Irving Kennedy, John Kenney, Edward Kincaid, Herman Kretschmar, J. Harry Lehr, Mrs. Richard B. Lyman, Dorothy Lyman, Janet Lyman, Richard B. Lyman, Jr., Mr. and Mrs. John C. Orth, John M. Price, Martin Sickels, Mr. and Mrs. Frank Steffens, Helene Tietz, Mrs. Estelle Walter (Rockland Audubon Society).

84. Saranac Lake—Lake Placid, N. Y. (same area as previous 3 years; open farm land 20%, town suburbs 20%, river borders 10%, mixed deciduous and coniferous woodland 40%, blueberry meadow 10%).—Dec. 28; 7 a.m. to 4:30 p.m. Clear and sunny to 3 p.m., then cloudy; temp. -7° to 9°; wind SW, 5 m.p.h.; 20 to 30 in. of snow; lakes and ponds frozen; Saranac River partly frozen; fairly heavy cone crop. Four observers in 1 field party, also several at feeding stations. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 52 (5 on foot, 47 by car). Ruffed Grouse, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 29; Am. Crow, 6; Black-capped Chickadee, 184; White-breasted Nuthatch, 8; Red-breasted Nuthatch,

17; Brown Creeper, 2; Common Starling, 1; House Sparrow, 12; Evening Grosbeak, 43; Common Redpoll, 26; Pine Siskin, 9; Red Crossbill, 6; Slate-colored Junco, 14; Am. Tree Sparrow, 28; White-throated Sparrow, 2; Snow Bunting, 2. **Total,** 20 species; 406 individuals.—Greenleaf T. Chase, Gordon M. Meade, James B. Meade, Carl G. Merkel and several feeding station operators.

85. Schenectady, N. Y. (same area as in 1929 and subsequent counts; urban and suburban 5%, farmyards 5%, open farm land 40%, light deciduous woods 20%, mixed deciduous and evergreen woods 10%, brushy hillsides and ravines 10%, cattail marshes 10%.)—Dec. 27; 7 a.m. to 5 p.m. Partly cloudy; temp. 30° to 10°; wind E then NW, 3-25 m.p.h.; no snow; streams open, ponds mostly frozen. Twenty-eight observers in 9 parties. Total party-hours, 51 (31 on foot, 20 by car); total party-miles, 175 (50 on foot, 125 by car). Canada Goose, 12; Mallard, 3; Black Duck, 13; Am. Merganser, 50; Goshawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 8; Ruffed Grouse, 8; Ring-necked Pheasant, 20; Herring Gull, 44; Ring-billed Gull, 3; Mourning Dove, 1; Horned Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 33; Horned Lark, 6; Blue Jay, 43; Am. Crow, 310; Black-capped Chickadee, 178; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 3; Brown Creeper, 13; Winter Wren, 3; Am. Robin, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 6; Common Starling, 918; House Sparrow, 399; Purple Grackle, 1; Evening Grosbeak, 9; Purple Finch, 1; Common Redpoll, 164; Pine Siskin, 13; Am. Goldfinch, 122; Slate-colored Junco, 16; Am. Tree Sparrow, 359; Song Sparrow, 18. **Total,** 39 species; 2831 individuals.—Mrs. R. F. Abell, G. Malcolm Andrews, Pauline Baker, Guy Bartlett, Mrs. Laura S. Beck, Mrs. W. L. Butler, Floyd Downs, Mr. and Mrs. Stephen C. Fordham, Robert Goble, Mrs. C. J. Grace, Jerry Hare, Alice Holmes, Samuel R. Madison, Dr. Malcolm E. McDonald, B. D. Miller, P. Schuyler Miller, Stephanie Podrazik, Peter Runge, Agatha Schuurman, Dr. Minnie B. Scotland, Michael Shepard, James Staley, Rudolph H. Stone, Mrs. Lillian C. Stoner, Donald Tucker, Nelle G. VanVorst, Leon A. Wiard (Schenectady Bird Club, Inc.).

86. Staten Island, N. Y. C. (woodland 20%, sea beach 30%, salt marsh 30%, fresh-water marsh 20%). —Dec. 21; 7:30 a.m. to 4:45 p.m. Steadily increasing rain; temp. 38° to 45°; wind NE, to 20 m.p.h.; small fresh-water ponds frozen over, larger ponds open. Nine observers in 5 parties. Total party-hours, 45 (30 on foot, 15 by car); total party-miles, 59 (21 on foot, 38 by car). Red-throated Loon, 3; Red-necked Grebe, 3; Horned Grebe, 40; Double-crested Cormorant, 1; Great Blue Heron, 1; Black-crowned Night Heron, 21; Mallard, 9; Black Duck, 859; Greater Scaup, 1458; Am. Golden-eye, 116; Buffle-head, 114; Old-squaw, 124; White-winged Scoter, 20; Ruddy Duck, 1; Am. Merganser, 2; Red-breasted Merganser, 16; Marsh Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 14; King Rail, 1; Am. Coot, 1; Killdeer, 4; Black-bellied Plover, 9; Great Black-backed Gull, 58; Herring Gull, 1653; Ring-billed Gull, 35; Laughing Gull, 3; Bonaparte's Gull, 331; Mourning Dove, 1; Barn Owl, 2; Downy Woodpecker, 3; Horned Lark, 3; Blue Jay, 15; Am. Crow, 24; Black-capped Chickadee, 3; White-breasted Nuthatch, 1; Common Starling, 99; Myrtle Warbler, 2; House Sparrow, 45; Eastern Meadowlark, 1; Red-winged Blackbird, 39; Purple Grackle, 1; Cardinal, 13; Pine Siskin, 77; Eastern Towhee, 1; Slate-colored Junco, 44; Am. Tree Sparrow, 59; White-throated Sparrow, 29; Song Sparrow, 51; Snow Bunting, 56. **Total,** 50 species; 5471 individuals. (Seen in area December 20: 1 Long-billed Marsh Wren) —Howard H. Cleaves, Lee A. Ellison, Fred W. Hopping, William H. Lea, Robert Mathewson, Charles Pearson, Casimir Redjives, Thomas Schleich, Mathilde P. Weingartner (compiler), (Nature Section of Staten Island Museum).

87. Syracuse, N. Y. (7½-mile radius, from Oneida Lake to Clark Reservation, and from Onondaga Lake to Green Lakes State Park; lakes 20%, deciduous woods 30%, coniferous woods 10%, brushy and open fields 35%, suburbs 5%).—Dec. 28; 8 a.m. to 10 p.m. Clear to light clouds; temp. 7° to 20°; no wind; 1 inch old snow; deep lakes open. Ten observers in 4 parties. Total party-hours, 26 (13 on foot, 13 by car); total party-miles, 125 (20 on foot, 105 by car). Horned Grebe, 2; Mallard, 14; Black Duck, 120; Redhead, 15; Canvas-back, 45; Greater Scaup, 20; Am. Golden-eye, 6; Hooded Merganser, 1; Am. Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 9; Ruffed Grouse, 2; Ring-necked Pheasant, 19; Killdeer, 1; Herring Gull, 280; Ring-billed Gull, 14; Horned Owl, 1; Short-eared Owl, 7; Hairy Woodpecker, 4; Downy Woodpecker, 23; Blue Jay, 26; Am. Crow, 70; Black-capped Chickadee, 104; White-breasted Nuthatch, 19; Brown Creeper, 9; Golden-crowned Kinglet, 22; Common Starling, 245; House Sparrow, 135; Eastern Meadowlark, 1; Cardinal, 8; Common Redpoll, 16; Pine Siskin, 10; Am. Goldfinch, 6; Slate-colored Junco, 12; Am. Tree Sparrow, 147; Song Sparrow, 6. **Total,** 39 species; 1427 individuals. (Seen in area Dec. 24; Pileated Woodpecker 1, Yellow-shafted Flicker 1.)—Dr. B. P. Burtt, Mrs. Beryl Dunning, Mrs. Orry Evans, Mrs. A. J. Farnett, Mr. and Mrs. Charles Farnham, Fritz Scheider, Tom Smith, Dr. W. R. Spofford (compiler), Mrs. A. H. Terhune (Onondaga Audubon Society).

88. Troy, N. Y. (same area as in 1950 and subsequent counts; about half of mileage along open water; urban and suburban 20%, open farm land 30%, brushland 10%, light deciduous woods 15%, mixed deciduous and evergreen woods 10%, cattail marshes 15%).—Dec. 28; 8 a.m. to 4 p.m. Clear; temp. 4° to 20°; no wind; no snow,

streams and reservoir newly partly frozen. Seven observers in 2 parties. Total party-hours, 14 (5 on foot, 9 by car); total party-miles, 84 (9 on foot, 75 by car). Mallard, 80; Black Duck, 900 (est.); Pintail, 1; Am. Golden-eye, 9; Am. Merganser, 82; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 6; Herring Gull, 110; Ring-billed Gull, 20; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 41; Am. Crow, 98; Black-capped Chickadee, 76; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 6; Common Starling, 131; House Sparrow, 133; Red-winged Blackbird, 1; Common Redpoll, 2; Am. Goldfinch, 41; Slate-colored Junco, 5; Am. Tree Sparrow, 71; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 30 species; 1838 individuals.—Guy Bartlett, Jack Crandall, Lester A. Giles, Jr., Mr. and Mrs. Byron T. Hipple, Jr., Rudolph H. Stone, Donald Tucker (Schenectady Bird Club, Inc.).

89. Watertown, N. Y. (same area as 15 previous counts, 7½-mile radius centering on Public Square; 30% wooded, 30% farm lands, 20% swamps, 20% park, city streets and river bank).—Dec. 20; 7:30 a.m. to 4 p.m. Clear half of day, overcast half; temp. 20° to 30°; wind E, 5-10 m.p.h.; ground mostly bare, 1-in. snow in places. Thirty-four observers in 20 parties. Total party-hours, 38 (35 on foot, 3 by car); total party-miles, 83 (43 on foot, 40 by car). Canada Goose, 3; Am. Golden-eye, 1; Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 15; Great Black-backed Gull, 18; Herring Gull, 24; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 14; Blue Jay, 23; Am. Crow, 2; Black-capped Chickadee, 136; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 2; Am. Robin, 1; Common Starling, 193; House Sparrow, 482; Purple Grackle, 2 (Bronzed); Evening Grosbeak, 1; Common Redpoll, 14; Am. Goldfinch, 5; Slate-colored Junco, 4; Am. Tree Sparrow, 64; Snow Bunting, 54. **Total,** 28 species; about 1078 individuals. (Seen in area Dec. 21, Purple Finch; Dec. 27 and 28 at suet feeder, Ruby-crowned Kinglet, observed with care and at close range by J. Blake, Jr.)—L. J. Bedford, John B. Belknap, Mr. and Mrs. Harold Besha, Mr. and Mrs. Joseph Blake, Jr., Joseph Blake 3d, Frank A. Clinch (compiler), James Common, Marie Elitharp, Lunette Fitzsimmons, Mr. and Mrs. John Gamble, Eb and Lucille Grant, Dr. and Mrs. William Larrabee, David Larrabee, Mrs. Richard Mereand and three 4-H girls, Mr. and Mrs. Robert Nelson, Daniel and Arthur Salisbury, Jr., Erma Schell, Mrs. Richard Taylor, Arthur Walrath, Harold and Mary Ellen Wiley, Mrs. Lorenzo Wait, John E. Wilson, Mrs. Clayton Wodell (North Country Bird Club).

90. Elmira, N. Y. (same area as last year; upland coniferous forest 11%, upland deciduous 8%, upland mixed 19%, bottomland deciduous 4%, plowed fields 2%, grassy fields 5%, fresh-water pond 6%, cattail marsh 4%, shrubby swamp 4%, river border 4%, creek borders 18%, town suburbs 15%).—Dec. 27; 7 a.m. to 5 p.m. Alternately clear and snow squalls; temp. 14° to 27°; wind WSW to WNW, 0-40 m.p.h.; about 1-in. fresh snow, 2-in. at higher elev.; ponds frozen, creeks open for most part. Twenty-four observers in 9 parties. Total party-hours, 48 (28 on foot, 20 by car); total party-miles, 176 (30 on foot, 146 by car). Am. Merganser, 3; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Sparrow Hawk, 5; Ruffed Grouse, 7; Ring-necked Pheasant, 2; Herring Gull, 24; Mourning Dove, 2; Screech Owl, 1; Snowy Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 19; Horned Lark, 23; Blue Jay, 15; Am. Crow, 267; Black-capped Chickadee, 82; Tufted Titmouse, 1; White-breasted Nuthatch, 16; Brown Creeper, 5; Golden-crowned Kinglet, 3; Common Starling, 72; House Sparrow, 526; Cardinal, 7; Am. Goldfinch, 20; **Eastern Towhee,** 1; Slate-colored Junco, 27; Am. Tree Sparrow, 178; White-crowned Sparrow, 1 [no details—Ed.]; White-throated Sparrow, 2; Song Sparrow, 7. **Total,** 33 species; 1222 individuals. (Robins in area on days prior to and following census.)—Richard Andrus, Robert Brown, Marguerite Campbell, Jere Clark, Maude Embler, Albert Fudge, Bruce Fudge, Clinton Fudge, Jr., Kay Fudge, Erwin Geiger, Larry Griffin, Benjamin Klauser, Hazel Klauser, Carland Mann, Kenneth Mann, Helen Quilliam, Helen Samson, Marilyn Smith, Joseph Smith, Mary Smith, Mary Welles (compiler), Matt Welles, Marbury Williamson, Olive York (Chemung Valley Audubon Society).

91. Barnegat, N. J. (same area as in 1946 and in subsequent counts).—Dec. 27; 5 a.m. to 6 p.m. Partly cloudy; temp. 27° to 38°; wind NW, 25-31 m.p.h.; bay open, ponds partly frozen, ground bare. Sixteen observers in 4 parties. Total party-hours, 43 (29 on foot, 14 by car); total party-miles, 184 (30 on foot, 154 by car). Common Loon, 2; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 72; Pied-billed Grebe, 2; Gannet, 8; European Cormorant, 3; Double-crested Cormorant, 2; Great Blue Heron, 12; Black-crowned Night Heron, 2; Canada Goose, 8; Am. Brant, 2600 (est.); Mallard, 6; Black Duck, 525; Am. Widgeon, 15; Greater Scaup, 2004; Lesser Scaup, 1; Am. Golden-eye, 37; Bufflehead, 66; Old-squaw, 54; White-winged Scoter, 106; Surf Scoter, 20; Am. Scoter, 18; Am. Merganser, 1; Red-breasted Merganser, 36; Turkey Vulture, 15; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 10; Bald Eagle, 9; Marsh Hawk, 17; **Pigeon Hawk,** 1 (F.W., N.N.); Sparrow Hawk, 4; Ruffed Grouse, 2; Bob-white, 5; Ring-necked Pheasant, 2; Clapper Rail, 1; Ringed Plover, 5; Killdeer, 2; Black-bellied Plover, 6; Ruddy Turnstone, 2; Purple Sandpiper, 60; Red-backed Sandpiper, 1587 (1500 est., 87); Semipalmated Sandpiper, 5; Sanderling, 328; Great Black-backed Gull, 48; Herring

Gull, 1725; Ring-billed Gull, 98; Laughing Gull, 4; Bonaparte's Gull, 5; Mourning Dove, 2; Barred Owl, 2; Short-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 22; Hairy Woodpecker, 4; Downy Woodpecker, 5; Horned Lark, 239; **Tree Swallow,** 2 (S.H., F.P.W.); Blue Jay, 1; Am. Crow, 144; Fish Crow, 1; Black-capped Chickadee, 5; Carolina Chickadee, 47; Tufted Titmouse, 13; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 2; Short-billed Marsh Wren, 2; Mockingbird, 1; Catbird, 1; Am. Robin, 497; Hermit Thrush, 3; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Common Starling, 1926; Myrtle Warbler, 206; House Sparrow, 289; Eastern Meadowlark, 45; Red-winged Blackbird, 90; Purple Grackle, 15; Brown-headed Cowbird, 3; Cardinal, 25; Pine Siskin, 765; Am. Goldfinch, 69; Ipswich Sparrow, 5; Savannah Sparrow, 34; Sharp-tailed Sparrow, 3; Vesper Sparrow, 1; Slate-colored Junco, 92; Am. Tree Sparrow, 154; Field Sparrow, 21; White-throated Sparrow, 46; Swamp Sparrow, 2; Song Sparrow, 55; Lapland Longspur, 1; Snow Bunting, 275 (est). **Total,** 99 species; 14,594 individuals. Greatly handicapped by high winds and too many hunters.—E. L. Chalif, D. Conklin, S. Dyke, T. Hake, C. Hetzel, S. Hopkins, J. Jehl, Jr., B. Murray, A. T. Newberry, N. Niosi, W. Osborn, R. S. Thorsell (compiler), E. Walsh, L. L. Walsh, F. Weinfeldt, F. P. Wolfarth.

92. Boonton, N. J. (an area not exceeding a 15-mile diameter with Troy Hills the center; deciduous woodland 30%, open marsh 20%, wooded swamp 20%, pasture and farm land 15%, miscellaneous 15%).—Dec. 21; 5 a.m. to 5 p.m. Rain all day; temp. 32° to 37°; wind ENE, 19 m.p.h.; reservoir and lakes open, rivers flooding; ground bare. Seventeen observers in 6 parties. Total party-hours, 60 (28 on foot, 32 by car); total party-miles, 160 (40 on foot, 120 by car). Pied-billed Grebe, 7; Mallard, 227; Black Duck, 147; Gadwall, 9; Am. Widgeon, 55; Wood Duck, 2; Redhead, 1; Greater Scaup, 9; Am. Goldeneye, 17; Buffle-head, 9; Ruddy Duck, 51; Hooded Merganser, 1; Am. Merganser, 167; Sharp-shinned Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse 1; Ring-necked Pheasant, 2; Virginia Rail, 1; Am. Coot, 60; Killdeer, 11; Wilson's Snipe, 1; Herring Gull, 65; Mourning Dove, 6; Screech Owl, 5; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 47; Horned Lark, 12; Blue Jay, 238; Am. Crow, 514; Fish Crow, 2; Black-capped Chickadee, 207; Tufted Titmouse, 56; White-breasted Nuthatch, 33; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 1; Long-billed Marsh Wren, 3; Am. Robin, 10; Hermit Thrush, 3; Eastern Bluebird, 15; Golden-crowned Kinglet, 21; Cedar Waxwing, 24; Common Starling, 1268; Common Yellowthroat, 1 (R.T.); House Sparrow, 275; Eastern Meadowlark, 16; Red-winged Blackbird, 201; Rusty Blackbird, 150; Brown-headed Cowbird, 1; Cardinal, 42; Purple Finch, 3; Pine Siskin, 40; Am. Goldfinch, 100; Eastern Towhee, 14; Savannah Sparrow, 10; Vesper Sparrow, 1; Slate-colored Junco, 307; Am. Tree Sparrow, 744; White-throated Sparrow, 366; Fox Sparrow, 9; Swamp Sparrow, 54; Song Sparrow, 116. **Total,** 69 species; about 5812 individuals.—C. D. Brown, J. B. Crowell, F. DeHart, J. L. Edwards, A. E. Eynon, C. Hetzel, L. Hilton, S. Hopkins, J. Jehl, Jr., C. Lincoln, J. Mann, C. Nichols, A. T. Newberry, N. Niosi, R. Thorsell, H. M. Van Deusen, F. P. Wolfarth (compiler).

93. Bridgeton, N. J. (7½-mile radius centering at Cedarville and including Sea Breeze and Fortescue on Delaware Bay; all observations in Cumberland County; suburbs 1%, mixed woodland 10%, salt marsh 30%, plowed land 40%, fresh-water ponds and streams 15%, salt water 4%).—Dec. 20; 7 a.m. to 4:30 p.m. Cloudy, no sun; temp. 25° to 42°; wind NE, 10-15 m.p.h.; no frozen ground, some ice on ponds. Five observers in 3 parties. Total party-hours, 27½ (6 on foot, 21½ by car); total party-miles, 135 (9 on foot, 126 by car). Horned Grebe, 1; Pied-billed Grebe, 30; Great Blue Heron, 10; Am. Egret, 4; Canada Goose, 11; Snow Goose, 2000+; Mallard, 67; Black Duck, 185; Green-winged Teal, 57; Ring-necked Duck, 11; Greater Scaup, 5; Lesser Scaup, 8; Am. Scoter, 14; Am. Merganser, 41; Turkey Vulture, 113; Sharp-shinned Hawk, 1; Bald Eagle, 1; Marsh Hawk; 16; Sparrow Hawk, 11; Bob-white, 19; Ring-necked Pheasant, 2; Clapper Rail, 1; Killdeer, 28; Greater Yellow-legs, 1; Red-backed Sandpiper, 12; Great Black-backed Gull, 3; Herring Gull, 120; Ring-billed Gull, 86; Mourning Dove, 82; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Hairy Woodpecker, 3; Downy Woodpecker, 16; Eastern Phoebe, 1; Blue Jay, 23; Am. Crow, 692; Carolina Chickadee, 90; Tufted Titmouse, 40; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 2; Am. Robin, 174; Eastern Bluebird, 30; Golden-crowned Kinglet, 1; Common Starling, 1081; Myrtle Warbler, 1; Pine Warbler, 7; House Sparrow, 140; Eastern Meadowlark, 101; Red-winged Blackbird, 541; Purple Grackle, 223; Brown-headed Cowbird, 29; Cardinal, 65; Pine Siskin, 9; Am. Goldfinch, 144; Eastern Towhee, 1; Savannah Sparrow, 2; Sharp-tailed Sparrow, 1; Vesper Sparrow, 18; Slate-colored Junco, 216; Am. Tree Sparrow, 12; Chipping Sparrow, 3; Field Sparrow, 21; White-throated Sparrow, 195; Fox Sparrow, 1; Swamp Sparrow, 8; Song Sparrow, 101. **Total,** 70 species; about 6959 individuals.—Bennett K. Matlack (compiler), Herbert H. Mills, Dr. & Mrs. Leslie E. Myatt, J. Stanley Quickmire, Jr.

94. Cape May, N. J. (7½-mile radius from Rio Grande, Cape May County; salt marsh 15%, woodland 15%, cultivated land 15%, sand beach 5%, ocean and bay 50%).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 19° to 28°; wind NW; strong in a.m., gradually diminished; ground bare. Fifty-one observers in 9 parties. Total party-hours, 81 (61 on foot, 20 by car); total party-

miles, 456 (152 on foot, 304 by car). Common Loon, 13; Red-throated Loon, 18; Red-necked Grebe, 1; Horned Grebe, 143; Pied-billed Grebe, 72; Gannet, 2; Double-creasted Cormorant, 6; Great Blue Heron, 41; Little Blue Heron, 4; Black-crowned Night Heron, 86; Am. Bittern, 1; Whistling Swan, 1; Canada Goose, 12; Am. Brant, 11,800; Snow Goose, 1; Mallard, 16; Black Duck, 2534; Gadwall, 1; Am. Widgeon, 93; Pintail, 2; Green-winged Teal, 9; Wood Duck, 2; Redhead, 2; Ring-necked Duck, 3; Canvas-back, 3; scaup, 108; Am. Golden-eye, 81; Buffle-head, 93; Old-squaw, 222; White-winged Scoter, 16; Surf Scoter, 89; Am. Scoter, 200; Ruddy Duck, 14; Hooded Merganser, 8; Red-breasted Merganser, 158; Turkey Vulture, 179; Sharp-shinned Hawk, 7; Cooper's Hawk, 7; Red-tailed Hawk, 18; Red-shouldered Hawk, 3; Bald Eagle, 12; Marsh Hawk, 58; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 26; Bob-white, 82; Ring-necked Pheasant, 2; Clapper Rail, 9; Virginia Rail, 1; Am. Coot, 18; Killdeer, 117; Black-bellied Plover, 42; Am. Woodcock, 12; Wilson's Snipe, 5; Greater Yellow-legs, 21; Purple Sandpiper, 79; Red-backed Sandpiper, 3228; Dowitcher, 3; Semipalmated Sandpiper, 9; Western Sandpiper, 11; Sanderling, 291; Great Black-backed Gull, 60; Herring Gull, 3030; Ring-billed Gull, 2350; Bonaparte's Gull, 82; Common (?) Tern, 1; Mourning Dove, 445; Barn Owl, 2; Screech Owl, 2; Short-eared Owl, 6; Belted Kingfisher, 12; Yellow-shafted Flicker, 38; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 37; Tree Swallow, 229; Eastern Phoebe, 1; Horned Lark, 75; Blue Jay, 20; Am. Crow, 1491; Fish Crow, 4; Carolina Chickadee, 241; Tufted Titmouse, 99; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 56; Mockingbird, 8; Catbird, 10; Brown Thrasher, 10; Am. Robin, 1864; Hermit Thrush, 84; Eastern Bluebird, 96; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Water Pipit, 307; Loggerhead Shrike, 1; Common Starling, 10,750; Orange-crowned Warbler, 1; Myrtle Warbler, 1639; Palm Warbler, 1; Common Yellowthroat, 3; House Sparrow, 905; Eastern Meadowlark, 1017; Red-winged Blackbird, 3057; Rusty Blackbird, 30; Dickcissel, 1 (in yard of Helen Kruger, Cape May Court House, where it has been at a feeding station with House Sparrows for some time); Purple Grackle, 35; Brown-headed Cowbird, 1058; Cardinal, 278; Purple Finch, 29; Pine Siskin, 50; Am. Goldfinch, 293; Eastern Towhee, 8; Ipswich Sparrow, 9; Savannah Sparrow, 152; Sharp-tailed Sparrow, 24; Seaside Sparrow, 4; Vesper Sparrow, 25; Slate-colored Junco, 385; Am. Tree Sparrow, 98; Field Sparrow, 94; White-throated Sparrow, 1366; Fox Sparrow, 335; Swamp Sparrow, 35; Song Sparrow, 337. **Total,** 127 species; 52,797 individuals.— John H. Arnett, Jr., Edwin C. Balbirnie, Daniel E. Batezel, Louis Beck, Tom T. Byers, Joseph M. Cadbury, Ernest A. Choate (compiler), Dale R. Coman, Herbert S. Cutler, David Cutler, Richard T. Darby, C. Leroy Darlington, Edwin F. Finkel, Charles Ford, John F. Gardner, Henry Guthrie, Robert L. Haines, J. George Hitchner, Joseph A. Jacobs, William Jay, Oscar H. Joyce, Helen Kruger, M. Albert Linton, Edward R. Manners, David L. Marshall, Edward W. Marshall, J. Wayne Marshall, Morton McCutcheon, John F. McIlvaine, W. R. Middleton, Richard F. Miller, J. L. Moore, Jr., Dr. John Moore, T. E. McMullen, A. Nicholson, Jr., Julian K. Potter, Stanley Quickmire, Jr., Chester L. Reagan, Edward J. Reiman, William P. Reynolds, Conrad Roland, Robert Schwartz, Robert Sehl, Wainer F. Sheldon, Clarence E. Stasz, Lewis G. Sterner, Fred Ulmer, Edward D. Wildman, Charles A. Wonderly, W. B. Wright, Mark Yaroshefski.

95. Great Swamp — Watchung Ridges, N. J. (7½-mile radius centering in New Providence; dry deciduous woods 40%, wet deciduous woods 10%, fields 30%, suburban areas 15%, evergreen woods 5%).—Dec. 27; 7 a.m. to 5 p.m. Fair then cloudy with light snow then fair; temp. 30° to 40°; wind 13-30 m.p.h.; ground soggy over old frost; ponds partially frozen; streams open. Eighty-eight observers (32 in 7 parties, also day-long observations by 56 members of local clubs). Total party-hours, 70 (53 on foot, 17 by car); total party-miles, 166 (76 on foot, 90 by car). Great Blue Heron, 1; Mallard, 138; Black Duck, 101; Am. Widgeon, 1; Am. Merganser, 93; Sharp-shinned Hawk, 4; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 7; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 16; Ring-necked Pheasant, 2; Killdeer, 7; Herring Gull, 180; Mourning Dove, 49; Barn Owl, 1; Screech Owl, 3; Horned Owl, 2; Long-eared Owl, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 27; Hairy Woodpecker, 38; Downy Woodpecker, 144; Blue Jay, 362; Am. Crow, 379; Black-capped Chickadee, 458; Tufted Titmouse, 144; White-breasted Nuthatch, 163; Red-breasted Nuthatch, 5; Brown Creeper, 29; Winter Wren, 3; Carolina Wren, 2; Catbird, 3; Brown Thrasher, 1; Am. Robin, 3; Hermit Thrush, 4; Eastern Bluebird, 41; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 4; Common Starling, 13,535; Yellow-breasted Chat, 1; Myrtle Warbler, 27; House Sparrow, 843; Eastern Meadowlark, 1; Red-winged Blackbird, 693; Baltimore Oriole, 1; Purple Grackle, 26; Brown-headed Cowbird, 1; Cardinal, 91; Purple Finch, 51; Pine Siskin, 17; Am. Goldfinch, 70; Eastern Towhee, 8; Dickcissel, 1; Slate-colored Junco, 751; Am. Tree Sparrow, 341; Field Sparrow, 20; White-throated Sparrow, 515; Fox Sparrow, 41; Swamp Sparrow, 15; Song Sparrow, 197. **Total,** 62 species; 19,694 individuals. — Joan Brown, Dennison Burton, Jay Cloud, Charles Collins, Dudley Coy, Bob Crickenberger, Larry Crowley, Paul Granger, Robert Davenport Granger, Carol Davis, Wayne Douglas, Jim and Grace Hand, David Hart, Charles Hoiles, Walter Kennedy, Mr. & Mrs. David Mathison, Don Maxwell, Jeannette Middlebrook, J. D'Arcy Northwood, Roy Puckey, Mrs. C. Burchard Romain, Mr. & Mrs. Albert Schnitzer, Bert and

Millie Schaughency, Lois Wenman, Gertrude Whitlock, Glenn Woolfenden, Jerry Wright, James B. Hawley (compiler).

96. Hackensack, N. J. (same area and percentages as last year).—Dec. 27; 7 a.m. to 5 p.m. Clear in a.m., snow flurries in p.m., then clearing; temp. 30° to 32°; wind NW, 2-4 m.p.h.; ground bare, no frost, all water areas open. Thirty-eight observers in 15 parties. Total party-hours, 80¼ (54¾ on foot, 25½ by car); total party-miles, 301½ (85½ on foot, 216 by car). Pied-billed Grebe, 3; Mallard, 185; Black Duck, 270; Pintail, 8; Am. Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 13; Bald Eagle, 2; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 20; Killdeer, 9; Great Black-backed Gull, 9; Herring Gull, 1164; Ring-billed Gull, 27; Bonaparte's Gull, 492 (one flock in Hudson R. off Edgewater, N. J.); Mourning Dove, 8; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Hairy Woodpecker, 10; Downy Woodpecker, 26; Horned Lark, 2; Blue Jay, 151; Am. Crow, 68; Black-capped Chickadee, 159; Tufted Titmouse, 35; White-breasted Nuthatch, 29; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 5; Eastern Bluebird, 2; Golden-crowned Kinglet, 2; Water Pipit, 2; Common Starling, 2231 (1000 est. + 1231 counted); Myrtle Warbler, 2; House Sparrow, 380; Red-winged Blackbird, 173; Rusty Blackbird, 26; Purple Grackle, 93; Brown-headed Cowbird, 17; Cardinal, 23; Pine Siskin, 31; Am. Goldfinch, 75; Eastern Towhee, 5; Slate-colored Junco, 308; Am. Tree Sparrow, 428; Field Sparrow, 19; White-throated Sparrow, 260; Fox Sparrow, 47; Swamp Sparrow, 5; Song Sparrow, 175. **Total,** 51 species; about 7016 individuals. (Seen in area Dec. 26: Pileated Woodpecker 1, Screech Owl 1.)—H. Arguello, Mrs. H. T. Armitt (compiler), H. T. Armitt, A. Barber, A. Bihun, J. K. Boldtmann, J. L. Brewer, J. Brewer, R. J. Connor, J. C. Demarest, W. S. Downin, N. Emig, Mrs. N. Emig, R. Evans, D. Eves, M. Ferguson, H. S. Fisher, L. Gligor, F. Gill, H. Gill, P. H. Grosch, C. Hochkoepel, R. Langen, J. Mann, C. Nichols, Mrs. P. O'Blenis, D. Pallas, Mrs. J. Pallas, D. Roser, J. Rowe, R. Schenk, R. Schenk, Jr., F. R. Schetty, W. Standaert, M. E. Trotter, M. Van Horne, E. Vincent, Mrs. J. O. Weidig.

97. Lakehurst, N. J. (same area and percentages as last year).—Dec. 26; 6:30 a.m. to 5:30 p.m. Fair; temp. 32° to 45°; wind NW, 5 to 30 m.p.h.; thin ice on some ponds. Eight observers in 2 parties. Total party-hours, 17 (15 on foot, 2 by car); total party-miles, 113 (13 on foot, 100 by car). Common Loon, 3; Red-throated Loon, 5; Horned Grebe, 320; Pied-billed Grebe, 14; Gannet, 2; Double-crested Cormorant, 3; Great Blue Heron, 3; Canada Goose, 650; Am. Brant, 15; Mallard, 175; Black Duck, 750; Gadwall, 3; European Widgeon, 1; Am. Widgeon, 215; Pintail, 5; Redhead, 1; Ring-necked Duck, 4; Canvas-back, 45; Greater Scaup, 355; Am. Golden-eye, 165; Buffle-head 64; Old-squaw, 7; White-winged Scoter, 14; Am. Scoter, 6; Ruddy Duck, 25; Am. Merganser, 13; Red-breasted Merganser, 60; Turkey Vulture, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 4; Bob-white, 1; Clapper Rail, 1; Am. Coot, 125; Killdeer, 10; Black-bellied Plover, 4; Sanderling, 3; Great Black-backed Gull, 105; Herring Gull, 2500; Ring-billed Gull, 12; Bonaparte's Gull, 5; Mourning Dove, 26; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 3; Am. Crow, 110; Fish Crow, 3; Carolina Chickadee, 46; Tufted Titmouse, 4; White-breasted Nuthatch, 8; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 46; Ruby-crowned Kinglet, 2; Water Pipit, 1; Cedar Waxwing, 3; Common Starling, 200; Myrtle Warbler, 13; Palm Warbler, 2; House Sparrow, 60; Eastern Meadowlark, 1; Red-winged Blackbird, 5; Purple Grackle, 1700; Brown-headed Cowbird, 1; Cardinal, 6; Pine Siskin, 31; Am. Goldfinch, 38; Eastern Towhee, 1; Seaside Sparrow, 1; Slate-colored Junco, 180; Am. Tree Sparrow, 30; Chipping Sparrow, 1; Field Sparrow, 2; White-throated Sparrow, 38; Fox Sparrow, 7; Swamp Sparrow, 2; Song Sparrow, 36; Snow Bunting, 6. **Total,** 84 species; 8333 individuals.—Fritz Baumle, Eleanor Chapman, Jerry Day, David Fables (compiler), Rudy Franke (Agassiz Club, Union Junior College), Larry Crowley, Don and Glen Woolfenden.

98. Long Branch, N. J. (Oceanport to Wreck Pond; bays and ponds 30%, beach front 20%, bushy fields 10%, farm land 10%, marshes 10%, woods 20%).—Dec. 28; 5 a.m. to 5 p.m. Clear; temp. 12° to 20°; wind NW, 20 m.p.h.; no snow, ponds partly open. Twenty-two observers in 9 parties. Total party-hours, 78 (52 on foot, 26 by car); total party-miles, 360 (50 on foot, 310 by car). Common Loon, 6; Red-throated Loon, 8; Red-necked Grebe, 1; Horned Grebe, 77; Pied-billed Grebe, 13; Gannet, 10; Double-crested Cormorant, 9; Great Blue Heron, 15; Mute Swan, 10; Canada Goose, 88; Am. Brant, 8; Mallard, 183; Black Duck, 925; Gadwall, 5; European Widgeon, 2; Am. Widgeon, 1510 (1500 est.); Pintail, 74; Green-winged Teal, 3; Redhead, 35; Ring-necked Duck, 59; Canvas-back, 206; Greater Scaup, 6528; Lesser Scaup, 577; Am. Golden-eye, 309; Buffle-head, 95; Old-squaw, 51; White-winged Scoter, 32; Am. Scoter, 15; Ruddy Duck, 81; Hooded Merganser, 2; Am. Merganser, 91; Red-breasted Merganser, 124; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Marsh Hawk, 10; Sparrow Hawk, 18; Bob-white, 17; Ring-necked Pheasant, 1; Clapper Rail, 3; Virginia Rail, 1 (G.W.); Am. Coot, 136; Killdeer, 40; Wilson's Snipe, 1; Purple Sandpiper, 1; Sanderling, 11; Great Black-backed Gull 358; Herring Gull, 1945 (1500 est.); Ring-billed Gull, 68; Laughing Gull, 2; Bonaparte's Gull, 241; Mourning Dove, 348; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher,

5; Yellow-shafted Flicker, 11; Yellow-bellied Sapsucker, 1 (G.D.S.); Hairy Woodpecker, 6; Downy Woodpecker, 28; Horned Lark, 75; Blue Jay, 25; Am. Crow, 292; Black-capped Chickadee, 5; Carolina Chickadee, 192; Tufted Titmouse, 46; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 2; House Wren, 1; Winter Wren, 2; Carolina Wren, 14; Catbird, 1; Am. Robin, 287; Hermit Thrush, 3; Eastern Bluebird, 42; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 1; Cedar Waxwing, 1; Common Starling, 1981; Myrtle Warbler, 303; Palm Warbler, 4 (I.H.B., C.H.); House Sparrow, 176; Eastern Meadowlark, 49; Red-winged Blackbird, 55; Purple Grackle, 200; Brown-headed Cowbird, 11; Cardinal, 60; Purple Finch, 20; Pine Siskin, 167; Am. Goldfinch, 91; Savannah Sparrow, 4; Sharp-tailed Sparrow, 2; Slate-colored Junco, 417; Am. Tree Sparrow, 208; Field Sparrow, 20; White-throated Sparrow, 354; Fox Sparrow, 1; Swamp Sparrow, 15; Song Sparrow, 133; Snow Bunting, 6. **Total,** 101 species; about 19,706 individuals.—I. H. Black, C. D. Brown, J. S. Brown, J. L. Edwards, B. Einhorn, A. E. Eynon, A. Gaines, C. Hetzel, C. W. Lincoln, N. Niosi, R. H. Pough, W. F. Sandford, R. Sargent, G. M. Seeley (compiler), G. D. Stout, P. Stout, H. Van Dusen, F. Weinfeldt, E. M. Wisner, V. Wisner, G. Woolfenden, L. Woolfenden.

99. Moorestown, Maple Shade, and Riverton, N. J. (same area as former years; farm land 43%, town suburbs 34%, deciduous woods 9%, wet brushy meadows 8%, riverfront 5%, evergreen woods 1%). —Dec. 21; 7 a.m. to 5 p.m. Rain; temp. 40° to 44°; wind NE, 7-25 m.p.h.; ground bare; thin skim of ice on fresh-water ponds. Fifty-one observers in 31 parties. Total party-hours, 51¾ (18¼ on foot, 10½ by car, 23 at feeders); total party-miles, 111 (21 on foot, 90 by car). Common Loon, 1; Great Blue Heron, 2; Canada Goose, 5; Mallard, 2; Black Duck, 37; Pintail, 222; Greater Scaup, 12; Am. Merganser, 3; Red-shouldered Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 12; Ring-necked Pheasant, 3; Killdeer, 11; Herring Gull, 199; Ring-billed Gull, 17; Mourning Dove, 97; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Downy Woodpecker, 18; Blue Jay, 50; Am. Crow, 318; Fish Crow, 5; Carolina Chickadee, 57; Tufted Titmouse, 30; White-breasted Nuthatch, 6; Carolina Wren, 1; Mockingbird, 7; Catbird, 1; Am. Robin, 9; Eastern Bluebird, 1; Golden-crowned Kinglet, 12; Common Starling, 990; House Sparrow, 399; Eastern Meadowlark, 68; Red-winged Blackbird, 90; Cardinal, 59; Pine Siskin, 4; Am. Goldfinch, 21; Eastern Towhee, 2; Slate-colored Junco, 247; Am. Tree Sparrow, 51; Field Sparrow, 11; White-crowned Sparrow, 1; White-throated Sparrow, 307; Fox Sparrow, 4; Song Sparrow, 88. **Total,** 47 species; 3493 individuals.—S. N. Aldridge, Irene Anders, M. P. Barrett, Marjorie and Fred Boden, Alyce Alison, A. C. and David Borton, Charlotte and Bennett Bowers, Bessie and W. L. Cleaver, H. C. Collins, F. G. Conrow, Clarissa and Samuel Cooper, Elsie Elkinton, Charles Evans, Dr. E. T. Gibson, E. L. Gillingham, R. L. Haines, Mary Harris, M. E. Hollinshead, J. D. Hull 3rd, M. A. and M. R. Linton, A. W. H. and E. R. Lippincott, Percy B. and Myra Lovell, Harvey, Emilie E., J. L. and H. L. Moore, H. L. Moyer, Jr., D. M. Nelson, Richard Plasket, C. L. Reagan, G. B. Reynard, David Rhoads, W. H. and H. K. Roberts, J. E. Rogers, Jr., Sylvia, Harold and J. H. Taylor, Esther Wallace, E. P. Ward, Robert and G. R. Wilkins, R. R. Wood.

100. Morristown, N. J. (same area as last year). —Dec. 27; 6 a.m. to 4:30 p.m. Cloudy in a.m., snow squalls in p.m.; temp. 23° to 37°; wind NW to NE, 14-25 m.p.h.; ground clear, lakes partly frozen. Thirty-one observers in 8 parties. Total party-hours, 53 (30 on foot, 23 by car); total party-miles, 331 (20 on foot, 311 by car). Pied-billed Grebe, 7; Mute Swan, 12; Mallard, 33; Black Duck, 76; Gadwall, 1; Pintail, 1; Ring-necked Duck, 22; Canvas-back, 5; Greater Scaup, 2; Am. Golden-eye, 200; Buffle-head, 4; Ruddy Duck, 1; Am. Merganser, 30; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 3; Ring-necked Pheasant, 5; Am. Coot, 2; Killdeer, 6; Herring Gull, 26; Mourning Dove, 10; Screech Owl, 1; Horned Owl, 5; Belted Kingfisher, 5; Yellow-shafted Flicker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 22; Downy Woodpecker, 59; Blue Jay, 222; Am. Crow, 340; Black-capped Chickadee, 299; Tufted Titmouse, 59; White-breasted Nuthatch, 54; Brown Creeper, 4; Mockingbird, 1; Am. Robin, 5; Hermit Thrush, 1; Eastern Bluebird, 55; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; Common Starling, 1922; House Sparrow, 602; Eastern Meadowlark, 15; Red-winged Blackbird, 2; Cardinal, 34; Purple Finch, 31; Pine Siskin, 28; Am. Goldfinch, 55; Savannah Sparrow, 1; Slate-colored Junco, 389; Am. Tree Sparrow, 167; White-throated Sparrow, 127; Fox Sparrow, 4; Swamp Sparrow, 8; Song Sparrow, 38. **Total,** 58 species; 5038 individuals.—Kenneth Absalon, Mrs. H. Appleby, Mrs. O. C. Billings, Beatrice Black, Maurice Chaillet, Robert Collins, Mr. & Mrs. Richard Cubberley, Donald Doalton, James L. Edwards, Mrs. C. Franklin, Marjorie Gallagher, Mr. & Mrs. V. J. Hawks, Mrs. P. Fogel, Mr. & Mrs. John Neal, Mrs. H. T. Maxwell, Mr. & Mrs. George Phillips, Duncan Sharpe, Mrs. Melvin Weig, Mrs. Dorothy Wells, Elizabeth Cook, Mrs. George Francis, Mrs. William Hillcourt, Jeff Kilgore, Sister Jane Patricia, Laurence Thompson, Mrs. Melvin Whiting, Carol Davis (compiler).

101. Mount Holly, N. J. (7½-mile radius, including Lumberton, Masonville, Centerton, Burlington, Pemberton, Vincentown and along the Rancocas Creek and Delaware River; creek area 50%, river area 15%, woodland 10%, farm land 10%, pine groves 15%).—Dec. 27; 6 a.m. to 5 p.m. Cold; wind NW, 15-18 m.p.h.; all fresh water frozen; snow flurries in the late afternoon. Three observers in 1 party. Total party-hours, 11 (3 on foot, 8 by car); total party-miles, 29 (4 on foot,

25 by car). Great Blue Heron, 2; Canada Goose, 5; Mallard, 6; Black Duck, 500; Pintail, 150; Am. Merganser, 2; Turkey Vulture, 63; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 15; Killdeer, 25; Herring Gull, 12; Mourning Dove, 100; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 75; Blue Jay, 12; Am. Crow, 400; Fish Crow, 2; Black-capped Chickadee, 16; Tufted Titmouse, 10; White-breasted Nuthatch, 5; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 1; Am. Robin, 11; Golden-crowned Kinglet, 1; Cedar Waxwing, 23; Common Starling, 500; House Sparrow, 10; Eastern Meadowlark, 62; Red-winged Blackbird, 45; Purple Grackle, 4; Cardinal, 21; Pine Siskin, 100; Am. Goldfinch, 6; Slate-colored Junco, 45; Am. Tree Sparrow, 11; White-throated Sparrow, 16; Fox Sparrow, 1; Song Sparrow, 9. **Total,** 44 species; 2287 individuals. —May Middleton, J. Russell Sprow, Nelson D. W. Pumyea (compiler).

102. Northwestern Gloucester Co., N. J. (same area and percentages as last year).—Dec. 21; 7:15 a.m. to 4 p.m. Persistent rain from northeast; temp. 39° to 42°; wind NE to ENE, 14-22 m.p.h.; ground bare, all water open. Seventeen observers in 5 parties. Total party-hours, 35 (8 on foot, 27 by car); total party-miles, 128 (8 on foot, 120 by car). Great Blue Heron, 8; Mallard, 14; Black Duck, 967; Am. Widgeon, 4; Pintail, 6294 (5000 est., 1294); Ruddy Duck, 109; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 6; Sparrow Hawk, 16; Bob-white, 5; Killdeer, 53; Great Black-backed Gull, 7; Herring Gull, 142; Ring-billed Gull, 28; Mourning Dove, 27; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 27; Am. Crow, 4222 (4000 est., 222); Fish Crow, 1062 (1000 est., 62); Carolina Chickadee, 44; Tufted Titmouse, 21; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 9; Mockingbird, 2; Eastern Bluebird, 9; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Common Starling, 1223 (500 est., 723); Myrtle Warbler, 6; House Sparrow, 178; Eastern Meadowlark, 50; Baltimore Oriole, 1 (at feeding station); Cardinal, 54; Pine Siskin, 30; Am. Goldfinch, 106; Slate-colored Junco, 369; Am. Tree Sparrow, 30; Field Sparrow, 20; White-throated Sparrow, 414; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 110. **Total,** 51 species; about 15,724 individuals. (Seen in area Dec. 20: Bald Eagle, 2; Yellow-bellied Sapsucker, 2; Purple Finch, 1; E. Towhee, 1.)—Carl Bresler, Tom Byers, R. D. Drew, K. W. Ebert, Dick Ebert, W. A. Glass, J. G. Hitchner, P. Lawrence, R. Lawrence, E. R. Manners, Mrs. W. R. Middleton, W. R. Middleton (compiler), Ann Nicholson, John Nicholson, Fred Van Sant, Jr., Helen G. Wright, N. C. Wyckoff (Gloucester County Nature Club).

103. Oceanville, N. J. (7½-mile radius centered on Brigantine Refuge, including Brigantine, Pleasantville & Port Republic; ocean and bay 40%, salt marsh 10%, woodland 30%, cultivated 20%).—Dec. 21; 9 a.m. to 4 p.m. Rain (Northeast'er); temp. 35° to 40°; wind NE, 35 m.p.h.; rough sea prevented use of boat. Nine observers in 3 parties. Total party-hours, 16 (2 on foot, 14 by car); total party-miles, 50 (1 on foot, 49 by car). Common Loon, 1; Horned Grebe, 63; Pied-billed Grebe, 1; Great Blue Heron, 15; Mute Swan, 1; Am. Brant, 7500; Mallard, 6; Black Duck, 150; Pintail, 3; Lesser Scaup, 675; Am. Golden-eye, 11; Buffle-head, 15; Old-squaw, 5; White-winged Scoter, 40; Am. Scoter, 3; Ruddy Duck, 15; Am. Merganser, 1; Red-breasted Merganser, 45; Cooper's Hawk, 1; Marsh Hawk, 2; Bob-white, 7; Clapper Rail, 4; Killdeer, 26; Red-backed Sandpiper, 40; Sanderling, 23; Great Black-backed Gull, 25; Herring Gull, 550; Ring-billed Gull, 30; Mourning Dove, 8; Yellow-shafted Flicker, 2; Tree Swallow, 15; Blue Jay, 2; Am. Crow, 50; Black-capped Chickadee, 1; Am. Robin, 5; Eastern Bluebird, 13; Common Starling, 210; Myrtle Warbler, 25; House Sparrow, 25; Eastern Meadowlark, 14; Red-winged Blackbird, 26; Cardinal, 2; Ipswich Sparrow, 1; Savannah Sparrow, 6; Sharp-tailed Sparrow, 1; Slate-colored Junco, 48; Am. Tree Sparrow, 15; White-throated Sparrow, 6; Song Sparrow, 2. **Total,** 49 species; about 9735 individuals.—J. Banister, P. Battersby, Mrs. P. Battersby, J. Haldeman, J. Peterson, J. K. Potter, A. Sexauer, C. E. Stasz, E. White (Audubon Wildlife Society).

104. Princeton, N. J. (within a 9¼-mile diameter centering on Graduate College; villages, estates, farms, lowland and upland deciduous woods, red cedar and pine groves, swamp, marsh, lake, ponds and streams). —Dec. 26; 6 a.m. to 6:45 p.m. Clear; temp. 34° at dawn; wind NW, moderate; ground bare, next to no ice. Eleven observers in 5 parties (+ 1 at a food station). Total party-hours, 41¾ (41¼ on foot, ½ by car); total party-miles, 43½ (41½ on foot, 2 by car). Pied-billed Grebe, 6; Great Blue Heron, 1; Mute Swan, 2; Canada Goose, 1; Mallard, 452; Black Duck, 27; European Widgeon, 1 ♂; Am. Widgeon, 7; Ring-necked Duck, 2; Sharp-shinned Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Am. Coot, 1; Killdeer, 29; Herring Gull, 36; Mourning Dove, 334; Screech Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 36; Hairy Woodpecker, 12; Downy Woodpecker, 51; Horned Lark, 259; Blue Jay, 134; Am. Crow, 520; Fish Crow, 4; chickadee, total 80, inc. Black-capped Chickadee, 25+; Carolina Chickadee, 18+; Tufted Titmouse, 38; White-breasted Nuthatch, 25; Brown Creeper, 10; Winter Wren, 6; Carolina Wren, 5; Am. Robin, 19; Eastern Bluebird, 15; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 1; Cedar Waxwing, 58; Common Starling, 1486; Myrtle Warbler, 43; House Sparrow, 551; Eastern Meadowlark, 26; Red-winged Blackbird, 46; Purple Grackle, 22; Cardinal, 54; Purple Finch, 36; Pine Siskin, 113; Am. Goldfinch, 156; Eastern Towhee, 15; Slate-

colored Junco, 286; Am. Tree Sparrow, 124; Chipping Sparrow, 1; Field Sparrow, 29; White-throated Sparrow, 142; Fox Sparrow, 4; Swamp Sparrow, 17; Song Sparrow, 72. **Total,** 60 species; about 5445 individuals. (Seen in area Dec. 25: Am. Bittern, 1 (J.M.K., R.L.T.); Dec. 24: Hermit Thrush, 1.)—W. F. Alston, E. D. Bloor, Jr., R. D. H. Dingle, J. M. Kriz, R. M. Laughlin, F. W. Loetscher, Jr., J. K. Meritt, Peter R. Mott, C. H. (compiler) and W. S. Rogers, A. L. Shinn, R. L. Thomas.

105. Raritan Estuary, N. J. (same area as in 1938 and subsequent years; old pasture 10%, deciduous woodland 25%, coniferous woodland 5%, swampy woods 20%, fresh-water swamp 5%, brackish meadows 20%, town suburbs 15%). — Dec. 23; 5 a.m. to 5 p.m. Solid overcast, drizzle at dawn; temp. 35° to 42°; wind, none at dawn, then NE to NW, 5-12 m.p.h.; ground soggy, clear of snow; ponds and streams open. Thirteen observers in 6 parties. Total party-hours, 43 (27 on foot, 16 by car); total party-miles, 165 (32 on foot, 133 by car). Great Blue Heron, 2; Canada Goose, 14; Am. Brant, 6; Mallard (feral), 63; Black Duck, 154; Wood Duck, 2; Greater Scaup, 575; Am. Golden-eye, 10; Bufflehead, 80; Old-squaw, 60; Am. Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 6; Marsh Hawk, 10; Sparrow Hawk, 9; Bob-white, 8; Ring-necked Pheasant, 1; Clapper Rail, 1; Killdeer, 23; Black-bellied Plover, 14; Red-backed Sandpiper, 10; Sanderling, 21; Great Black-backed Gull, 5; Herring Gull, 310; Ring-billed Gull, 227; Bonaparte's Gull, 22; Mourning Dove, 2; Screech Owl, 4; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; **Saw-whet Owl,** 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 18; Horned Lark, 142 (including 1 Hoyt's, studied with telescope at close range alongside Northern by J.B. and G.L.D., and 3 Prairie, studied at close range by J.T.S.H. on territory where they are permanent residents, with visiting Northern for size comparison); Tree Swallow, 2; Blue Jay, 135; Am. Crow, 217 (usual roosting concentration not found); Black-capped Chickadee, 53; Carolina Chickadee, 3; Tufted Titmouse, 22; White-breasted Nuthatch, 8; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 1; Catbird, 2; Am. Robin, 7; Hermit Thrush, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 1; Common Starling, 90,000 (±20%) in roost (3265 in daytime); Myrtle Warbler, 33; House Sparrow, 257; Eastern Meadowlark, 9; Red-winged Blackbird, 125,000 (±20%) in roost (176 in daytime); Rusty Blackbird, 24; Purple Grackle, 2043 (including Bronzed, separately identified) in daytime, 70,000 (±20%) in roost; Brown-headed Cowbird, 618 in daytime, 15,000 (±20%) in roost; Cardinal, 36; Purple Finch, 2; **Common Redpoll,** 2 (D.F.); Pine Siskin, 142; Am. Goldfinch, 103; Eastern Towhee, 4; **Spotted Towhee,** 1 (imm. ♂, studied closely for an hour by J.B. and G.L.D., who noted voice as well as back and wing markings; since the species had never been recorded in the Middle Atlantic States, it was collected for the U.S. Fish and Wildlife Service); Savannah Sparrow, 5 (including 3 Labrador, of which 1 was collected); Slate-colored Junco, 351; Am. Tree Sparrow, 212; Field Sparrow, 13; White-throated Sparrow, 132; Fox Sparrow, 3; Swamp Sparrow, 47; Song Sparrow, 103; Lapland Longspur, 1. **Total,** 80 species (4 additional subspecies); about 303,775 individuals. (In area during count period, Short-eared Owl, 2.)—James Baird, George Bates, Clarence D. Brown, Gilbert Cant (compiler), John G. H. Cant, Kitty Chamberlain, George L. Daniels, Alfred E. Eynon, David Fables, Virginia Fitts, Charles Hetzel, John T. S. Hunn, Edwin I. Stearns (Urner Ornithological Club).

106. Ridgewood, N. J. (Ridgewood and Glen Rock north to Darlington and Crescent Avenues, Ramsey, east through Oradell Reservoir and northeast to the Hudson R. at Piermont; suburban residential areas and small parks with much shrubbery, bits of woodland, small streams and swamps, weedy cleared land and many feeding stations 78%, cemetery and country roadsides 12%, reservoirs, Saddle R., Hudson R. and shore 10%).—Dec. 21; 5 a.m. to 8 p.m. Rain; temp. 36° to 45°; wind NE, 5-30 m.p.h.; ground clear and unfrozen, waves breaking on Hudson R. and reservoirs. Forty-five observers (16 in 9 parties and 29 assistants at 28 feeding stations). Total party-hours, 54 (29 on foot, 6½ by car, 18½ at feeding stations); total party-miles, 80 (18 on foot, 62 by car). Mute Swan, 1; Mallard, 11; Black Duck, 6; Am. Golden-eye, 2; Am. Merganser, 5; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Herring Gull, 15; Mourning Dove, 44; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 2; Hairy Woodpecker, 16; Downy Woodpecker, 68; Blue Jay, 105; Am. Crow, 70; Black-capped Chickadee, 218; Tufted Titmouse, 87; White-breasted Nuthatch, 71; Brown Creeper, 10; Winter Wren, 1; Am. Robin, 1; Hermit Thrush, 4; Eastern Bluebird, 7; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Common Starling, 762 (est.); Myrtle Warbler, 3; House Sparrow, 398 (est.); Cardinal, 28; Purple Finch, 62; Am. Goldfinch, 11; Eastern Towhee, 5; Slate-colored Junco, 410; Am. Tree Sparrow, 153; Field Sparrow, 3; White-throated Sparrow, 160; Fox Sparrow, 5; Song Sparrow, 21. **Total,** 43 species; about 2793 individuals. (Seen in area within the period: Pied-billed Grebe, 1; Cooper's Hawk, 1; Yellow-shafted Flicker, 1.)—Mrs. C. A. Burt, Mrs. D. L. Coombs, Ann Dunham, Mrs. F. G. Dunham, Mrs. G. B. Fetter, Mrs. L. Fusser, Mrs. J. Howard Gould, C. Kientzler, Mrs. Charles Kientzler, Mrs. Edwin Kingsley, Frank McKenna, C. K. Nichols, Maynard Nichols, Mrs. H. E. Runk, H. E. Runk, Mrs. Jack Van Saun and 29 feeding-station observers (Ridgewood Audubon Society).

107. Sussex County, N. J. (7½-mile radius centering at Monroe and including cedar grove

northeast of Independence Corners; open fields, ploughed fields and roadsides 65%; swamps, brushy thickets, and marsh 15%; forested area, 10%; feeding stations, 1%; ponds, lakes 9%).—Dec. 21; 8 a.m. to 4:30 p.m. Light, mixed rain and snow; temp. 30° to 34°; wind NE, 10-15 m.p.h.; most secondary roads ice-covered entire day. Most bodies of water ice-free except for small ponds. Six observers (3 in 3 parties and 3 at 2 feeders). Total party-hours, 25½ (2 on foot, 23½ by car); total party-miles, 258 (3 on foot, 255 by car). Horned Grebe, 1; Am. Merganser, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Herring Gull, 1; Belted Kingfisher, 2; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Blue Jay, 4; Am. Crow, 30; Black-capped Chickadee, 20; Tufted Titmouse, 1; White-breasted Nuthatch, 6; Eastern Bluebird, 4; Cedar Waxwing, 40; Common Starling, 406; House Sparrow, 352; Eastern Meadowlark, 13; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 4; Purple Finch, 6; Am. Goldfinch, 11; Slate-colored Junco, 113; Am. Tree Sparrow, 120; White-throated Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 9. **Total,** 30 species; 1180 individuals.—Dr. H. V. Coes, Jr., E. B. Nixdorf (compiler), John Palsulich, Mr. and Mrs. Beverly Post, Mrs. Arthur Watt.

108. Allentown, Pa. (Lake Muhlenberg, Trexler Memorial Park, Lehigh Parkway, 8 miles west to Trexlertown; swampland 60%, pine grove 20%, small ponds 5%, open farm land 5%, deciduous woodlot 10%).—Dec. 28; 8 a.m. to 4 p.m. Partly cloudy; temp. 13° to 27°; wind NW, 1-25 m.p.h. Fourteen observers in 1 party. Total party-hours, 8 (7½ on foot, ½ by car); total party-miles, 37 (10 on foot, 27 by car). Mallard, 122; Black Duck, 110; Am. Widgeon, 54; Pintail, 5; Green-winged Teal, 4; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 15; Killdeer, 4; Herring Gull, 2; Mourning Dove, 1; Long-eared Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 2; Blue Jay, 13; Am. Crow, 20; Black-capped Chickadee, 16; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Mockingbird, 1; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Common Starling, 200; House Sparrow, 150; Eastern Meadowlark, 5; Purple Grackle, 1; Cardinal, 8; Purple Finch, 1; Am. Goldfinch, 9; Slate-colored Junco, 101; Am. Tree Sparrow, 5; White-throated Sparrow, 8; Song Sparrow, 7. **Total,** 41 species; 903 individuals.—Catharine Barlieb, Janet Brandes, Elizabeth Z. Burkhart, John Dreisbach, Elaine Fenstermaker, Elizabeth Hebelka, Clinton Miller, Robert Miller, Earl E. Montgomery, Clifford P. Moyer, Ann G. Pettock, Louis Tobel, John E. Trainer, Marilyn Weidner.

109. Carlisle, Pa. (same area as 1951 count; creeks, ponds, and springs 40%, open farmland 30%, mixed woodland 20%, farm woodlots 5%, town suburbs 5%).—Dec. 20; 7:30 a.m. to 5 p.m. Cloudy all day, snow in p.m.; temp. 27° to 31°; wind SE, 0-7 m.p.h.; ground bare until light snowfall in afternoon, creeks and springs unfrozen but smaller ponds with thin ice. Nine observers in 4 parties. Total party-hours, 24 (9 on foot, 15 by car); total party-miles, 250 (8 on foot, 242 by car). Horned Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 52; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Bob-white, 8; Ring-necked Pheasant, 3; Killdeer, 20; Wilson's Snipe, 1; Mourning Dove, 3; Belted Kingfisher, 9; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 24; Blue Jay, 35; Am. Crow, 1464; Black-capped Chickadee, 37; Tufted Titmouse, 28; White-breasted Nuthatch, 8; Winter Wren, 2; Carolina Wren, 4; Mockingbird, 4; Golden-crowned Kinglet, 2; Common Starling, 3055 (2300 est., 755); House Sparrow, 463; Cardinal, 60; Evening Grosbeak, 1; Purple Finch, 33; Pine Siskin, 40; Am. Goldfinch, 15; Eastern Towhee, 1; Slate-colored Junco, 244; Am. Tree Sparrow, 44; White-throated Sparrow, 6; Song Sparrow, 6. **Total,** 40 species; about 5704 individuals. (Seen in area on Dec. 21, Brown Creeper; Dec. 26, Am. Merganser, 4.)—Forrest C. Grimm (compiler), Mr. and Mrs. John C. Grimm, M. M. Simons, Sr., Mrs. M. M. Simons, Jr., Mr. and Mrs. H. G. Van Riper, Mr. and Mrs. E. A. Vuilleumier.

110. Clairton, Pa. (same as last year).—Dec. 20; 8 a.m. to 5 p.m. Overcast, drizzle most of day; temp. 38° to 40°; wind S, 1-7 m.p.h.; snow traces on north slopes; streams open; some ice on ponds. One observer. Total hours, 9; total miles, 8 (on foot). Cooper's Hawk, 1; Ring-necked Pheasant, 3; Hairy Woodpecker, 1; Downy Woodpecker, 6; Carolina Chickadee, 7; Tufted Titmouse, 3; Carolina Wren, 4; Common Starling, 17; House Sparrow, 36; Cardinal, 29; Slate-colored Junco, 22; Am. Tree Sparrow, 24; Song Sparrow, 4. **Total,** 13 species; 157 individuals. (Seen in area Jan. 1, Am. Crow, 1.)—Ellis H. Shimp.

111. Deer Creek (Allegheny Co.), Pa. (Denny's Pond to Carson's, both sides of creek; wooded section west of turnpike; Allegheny River, Hulton bridge to upper end of 14-Mile Island; deciduous woodland 75%, open farm land 20%, marsh 5%).—Dec. 21; 7:30 a.m. to 3 p.m. Overcast, hazy; temp. 40° to 45°; wind calm; ice on Denny's pond. Eight observers in 2 parties. Total party-hours, 15; total party-miles, 12 (on foot). Pied-billed Grebe, 1; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 18; Am. Crow, 43; Black-capped Chickadee, 22; Tufted Titmouse, 18; White-breasted Nuthatch, 12; Winter Wren, 1; Carolina Wren, 3; Common Starling, 10; Cardinal, 35; Am. Goldfinch, 7; Slate-colored Junco, 61; Am. Tree Sparrow, 58; White-throated Sparrow, 3; Song

Sparrow, 19. **Total,** 19 species; 318 individuals.—J. Gensbigler, G. Hall, R. Hawker, F. Krieger, C. R. Manley, Jr., J. Sisley, J. Springer and W. F. Torreyson, Jr.

112. Easton, Pa. (7½-mile radius; open farm land 50%, overgrown fields 25%, deciduous woods 25%; majority of time spent in Delaware River valley).—Dec. 28; 9 a.m. to 5:15 p.m. Clear, changing to overcast; temp. 36° to 40°; wind variable, less than 2 m.p.h.; ground bare, small ponds frozen. Three observers in 2 parties. Total party-hours, 10½ (8 on foot, 2½ by car); total party-miles, 24 (8 on foot, 16 by car). Mallard, 6; Black Duck, 15; Am. Merganser, 32; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 5; Herring Gull, 5; Mourning Dove, 9; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 3; Am. Crow, 9; Black-capped Chickadee, 52; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 2; Am. Robin, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Common Starling, 237; House Sparrow, 51; Cardinal, 14; Vesper Sparrow, 1; Slate-colored Junco, 111; Field Sparrow, 1; White-throated Sparrow, 38; Fox Sparrow, 3; Song Sparrow, 7. **Total,** 39 species; 640 individuals. —E. Earl Rider, Mr. and Mrs. Albert E. Conway.

113. Elverson (Chester Co.), Pa. (same area as in previous years).—Dec. 26; 6 a.m. to 6 p.m. Clear and windy; temp. 30° to 36°; wind NW, 20 to 25 m.p.h.; ground bare; ponds and streams free of ice. Nine observers in 3 parties. Total party-hours, 36 (30 on foot, 6 by car); total party-miles, 174 (54 on foot, 120 by car). Great Blue Heron, 1; Canada Goose, 10; Mallard, 11; Turkey Vulture, 145 (25+120 at roost); Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 14; Ruffed Grouse, 3; Ring-necked Pheasant, 41; Killdeer, 1; Wilson's Snipe 11; Mourning Dove, 10; Horned Owl, 3; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 21; Horned Lark, 403; Blue Jay, 24; Am. Crow, 523; Black-capped Chickadee, 63; Tufted Titmouse, 43; White-breasted Nuthatch, 10; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 2; Catbird, 1; Am. Robin, 42; Hermit Thrush, 2; Eastern Bluebird, 48; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Cedar Waxwing, 56; Common Starling, 516; Myrtle Warbler, 1; House Sparrow, 195; Eastern Meadowlark, 49; Red-winged Blackbird, 208; Brown-headed Cowbird, 23; Cardinal, 50; Purple Finch, 13; Pine Siskin, 10; Am. Goldfinch, 128; Eastern Towhee, 2; Slate-colored Junco, 332; Am. Tree Sparrow, 238; Field Sparrow, 2; White-throated Sparrow, 98; Swamp Sparrow, 13; Song Sparrow, 80. **Total,** 55 species; 3494 individuals. (In area in census week: Saw-whet Owl [dead], Pileated Woodpecker 3, Rusty Blackbird, Am. Merganser 2, Fox Sparrow, Screech Owl).—Donald Bixler, Robert E. Cook (compiler), Robert Filmore, Robert H. Hertzler, Eugene Hollinger, John King, Arthur Sigman, Norman Styer, Jr., Wesley Newswanger.

114. Glenolden (Delaware Co.), Pa. (7½-mile radius from Wallingford, Pa., same area as in previous years, with the elimination of all territory on the New Jersey side of the Delaware River; marsh 25%, deciduous woodland 20%, town suburbs 20%, uncultivated fields 10%, farm land 10%, water 10%, pine woods 5%).—Dec. 20; 5:30 a.m. to 4:30 p.m. Clear to overcast; temp. 20° to 35°; wind NW, 5 m.p.h.; ground bare, river and reservoir open, marshes partly frozen. Twenty-two observers in 11 parties. Total party-hours, 86 (57 on foot, 29 by car); total party-miles, 394 (86 on foot, 308 by car). Common Loon, 2; Horned Grebe, 1; Pied-billed Grebe, 7; Great Blue Heron, 17; Green Heron, 1 (wintering in Tinicum marshes; seen by many observers prior to this date—J.C.M.); Black-crowned Night Heron, 11; Canada Goose, 8; Mallard, 370; Black Duck, 5717; Am. Widgeon, 20; Pintail, 61,104; Green-winged Teal, 20; Ring-necked Duck, 6; Canvas-back, 1; Greater Scaup, 6; Buffle-head, 4; Am. Scoter, 1 (D.A.C.); Ruddy Duck, 95; Hooded Merganser, 1; Am. Merganser, 28; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 83; Red-shouldered Hawk, 7; Rough-legged Hawk, 4; Marsh Hawk, 30; Peregrine Falcon, 1; Sparrow Hawk, 21; Ring-necked Pheasant, 15; Am. Coot, 1; Killdeer, 40; Black-bellied Plover, 1; Wilson's Snipe, 77; Great Black-backed Gull, 6; Herring Gull, 209; Ring-billed Gull, 285; Bonaparte's Gull, 2; Mourning Dove, 9; Barn Owl, 1; Screech Owl, 5; Horned Owl, 1; Short-eared Owl, 6; Belted Kingfisher, 6; Yellow-shafted Flicker, 5; Hairy Woodpecker, 15; Downy Woodpecker, 71; Eastern Phoebe, 2; Horned Lark, 33; Blue Jay, 110; Am. Crow, 1570; Fish Crow, 4; Black-capped Chickadee, 14; Carolina Chickadee, 7; Tufted Titmouse, 49; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 2; Brown Creeper, 10; Winter Wren, 5; Carolina Wren, 15; Mockingbird, 2; Catbird, 2; Am. Robin, 12; Hermit Thrush, 3; Eastern Bluebird, 27; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 1; Water Pipit, 1; Cedar Waxwing, 45; Common Starling, 2373; Orange-crowned Warbler, 1 (D.A.C.); Myrtle Warbler, 1; House Sparrow, 548; Eastern Meadowlark, 71; Red-winged Blackbird, 1551; Rusty Blackbird, 76; Purple Grackle, 161; Brown-headed Cowbird, 47; Cardinal, 68; Purple Finch, 10; Pine Siskin, 155; Am. Goldfinch, 273; Eastern Towhee, 14; Savannah Sparrow, 18; Slate-colored Junco, 944; Am. Tree Sparrow, 728; Field Sparrow, 123; White-crowned Sparrow, 14 (first record); White-throated Sparrow, 1875 (previous high, 468); Fox Sparrow, 41; Swamp Sparrow, 105; Song Sparrow, 507. **Total,** 92 species; 79,988 individuals. — Dale Corbett,

Doris Cortelyou, Chas. Craig, Mr. & Mrs. Emlen L. Cresson, David A. Cutler, Richard T. Darby, Paul DeAoun, V. A. Debes, Howard Donaghy, Mr. & Mrs. John A. Gillespie, Leon E. Goff, James Harvey, Wm. Jay, John C. Miller, Richard F. Miller, Howell Peniston, Chas. E. Price, Jr., George Ritchie, Edward H. Rigby (compiler), James P. Rigby (Delaware Valley Ornithological Club).

115. Harrisburg, Pa. (7½-mile radius centering on point in Camp Hill, including Wildwood Park, Susquehanna River, Marsh Run, Yellow Breeches and Conodoguinet Creeks, and parts of Blue Mountain; mixed woodland 17%, farm land 36%, wooded mountain 13%, creeks 14%, river 5%, ponds, marshes, and swamps 7%, suburbs 6%, dumps 2%).—Dec. 27; 6:30 a.m. to 6:30 p.m. Overcast, most of day with a few snow flurries; temp. 31° to 28°; wind NW to W, 7-20 m.p.h.; ground bare; ponds, streams, and rivers open; thin ice in swamps and marshes. Eighteen observers in 11 parties. Total party-hours, 80 (52 on foot, 28 by car); total party-miles, 391 (53 on foot, 338 by car). Common Loon, 1 (C.H.T.); Horned Grebe, 4; Great Blue Heron, 2; Mallard, 304; Black Duck, 658; Gadwall, 2; Am. Widgeon, 60; Pintail, 90; Green-winged Teal, 21; Wood Duck, 2; Ring-necked Duck, 4; Canvas-back, 1; scaup, 1 (sp.); Am. Golden-eye, 47; Ruddy Duck, 1; Hooded Merganser, 7; Am. Merganser, 16; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 29; Osprey, 1 (seen at close range; all markings observed — G.H.G.); Ruffed Grouse, 14; Ring-necked Pheasant, 31; Killdeer, 34; Herring Gull, 11; Ring-billed Gull, 152; Mourning Dove, 8; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 13; Pileated Woodpecker, 4; Hairy Woodpecker, 8; Downy Woodpecker, 90; Horned Lark, 6; Blue Jay, 9; Am. Crow, 1316; Fish Crow, 3; Black-capped Chickadee, 139; Tufted Titmouse, 156; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 1; Brown Creeper, 31; Winter Wren, 14; Carolina Wren, 8; Mockingbird, 3; Catbird, 1 (G.H.G.); Am. Robin, 5; Hermit Thrush, 2; Eastern Bluebird, 1; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 1; Common Starling, 2728; Myrtle Warbler, 4; House Sparrow, 783; Eastern Meadowlark, 1; Purple Grackle, 400 (±50); Brown-headed Cowbird, 50; Cardinal, 205; Am. Goldfinch, 57; Eastern Towhee, 1; Slate-colored Junco, 534; Am. Tree Sparrow, 323; Field Sparrow, 29; White-crowned Sparrow, 3; White-throated Sparrow, 36; Swamp Sparrow, 2; Song Sparrow, 96. **Total,** 75 species; about 8644 individuals. (Seen in area Dec. 20, Old-squaw, 2; Buffle-head, 5; Dec. 21, Am. Coot, 1; Dec. 23, Peregrine Falcon, 1; Dec. 24, Pied-billed Grebe, 1, Red-winged Blackbird, 1; Dec. 25, Water Pipit, 30.)—Edward Balsbaugh, Mary Burkholder, George H. Gruber, Mr. & Mrs. D. L. Knohr, Earl L. Knohr, Polly Monz, Philip N. Myers, Gladys Peck, George Salkeld, Ralph R. Seiders, Mr. & Mrs. Malcolm Simons, Mr. & Mrs. G. E. Thomas, Evan G. Thomas (compiler), Charles H. Trost, Paul Walker (Harrisburg Bird Club).

116. Johnstown, Pa. [listed under Hollsopple, 1946-1950] (entire western side of Quemahoning Reservoir beginning several miles south of Hollsopple; open water 50%, roadside brush patches 10%, deciduous woodlands 20%, pine and hemlock woodlands 15%, open fields 5%).—Dec. 26; 9:30 a.m. to 4:30 p.m. Overcast, and sunny by spells; temp. 22° to 30°; wind WSW to E, 8-12 m.p.h.; ground frozen but no snow; no water frozen. Four observers in 1 party. Total party-hours, 7; total party-miles, 6 (on foot). Mallard, 30; Black Duck, 90; Ruffed Grouse, 1; unidentified owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 1; Am. Crow, 200; Black-capped Chickadee, 37; Tufted Titmouse, 1; White-breasted Nuthatch, 1; Brown Creeper, 2; Am. Robin, 2; Golden-crowned Kinglet, 6; House Sparrow, 6; Cardinal, 3; Am. Goldfinch, 1; Slate-colored Junco, 69; Am. Tree Sparrow, 9. **Total,** 19 species; 466 individuals. (Seen in area Dec. 20: Pine Siskin, 4; Horned Grebe, 2; Sparrow Hawk, 1.) —S. G. Shetler (compiler), John E. Lehman, Don Jacobs, Merle Jacobs.

117. Lancaster, Pa. (7½-mile radius centered on NW corner of Millersville, Pa., including Lake Grubb area, all of Susquehanna River from Columbia, Pa., to Pequea, Pa., portions of Conestoga River from City Water Works to Safe Harbor, Pa., lower portion of Pequea Creek, and intermediate points, Long Park and Lancaster Brickyard Swamp included; plow land 20%, evergreen conifer plantation 5%, heavy deciduous woodland 10%, light deciduous woodland 20%, pasture 10%, town suburbs and parkland 5%, cattail and tussock swamps 5%, open river and pond water 25%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear in a.m., cloudy in p.m.; temp. 10° to 24°; wind NW, about 20 m.p.h.; all water open, ice just beginning to form on banks and edges. Thirteen observers in 6 parties. Total party-hours, 40 (29 on foot, 11 by car); total party-miles, 114 (23 on foot, 91 by car). Snow Goose, 1; Mallard, 70; Black Duck, 283; Am. Widgeon, 22; Canvas-back, 1; Lesser Scaup, 17; Am. Golden-eye, 58; Ruddy Duck, 1; Am. Merganser, 30; Cooper's Hawk, 3; Red-tailed Hawk, 3; Bald Eagle, 3; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 129; Killdeer, 14; Herring Gull, 7; Ring-billed Gull, 8; Mourning Dove, 6; Barn Owl, 2; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Downy Woodpecker, 21; Eastern Phoebe, 1; Horned Lark, 20; Blue Jay, 3; Am. Crow, 1172; Black-capped Chickadee, 19; Tufted Titmouse, 11; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 9; Mockingbird, 2; Am. Robin, 4; Eastern Bluebird, 5; Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 21; Common Starling, 646; House Sparrow, 227; Eastern Meadowlark, 56; Cardinal, 78; Am.

Goldfinch, 14; Slate-colored Junco, 303; Am. Tree Sparrow, 76; Field Sparrow, 4; White-crowned Sparrow, 5; White-throated Sparrow, 133; Song Sparrow, 63. **Total,** 52 species; 3611 individuals. — M. L. Lampe, H. R. Woerner, L. C. Spenser, H. C. Brown, Jr., Mrs. C. Y. Tanger, Mrs. J. W. Bingeman, Ruth Sener, Mary Grebinger, Donald Brackbill, John LeFevre, Carl Fasnacht, Russel Markert, K. B. Corbett (compiler, Lancaster County Bird Club).

118. Lewisburg, Pa. (same as last year).—Dec. 28; 8:30 a.m. to 4:45 p.m. Clear; temp. 7° to 20°; wind N, 3-5 m.p.h.; no snow; streams frozen, river open. Seven observers in 3 parties. Total party-hours, 23 (17 on foot, 6 by car); total party-miles, 78 (14 on foot, 64 by car). Horned Grebe, 1; Mallard, 6; Black Duck, 50; Blue-winged Teal, 3 [no details—Ed.]; Greater Scaup, 3; Am. Golden-eye, 5; Hooded Merganser, 1; Am. Merganser, 7; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Mourning Dove, 42; Belted Kingfisher, 1; Downy Woodpecker, 22; Horned Lark, 1; Am. Crow, 605; Fish Crow, 2; Black-capped Chickadee, 31; Tufted Titmouse, 6; White-breasted Nuthatch, 6; Brown Creeper, 9; Winter Wren, 1; Golden-crowned Kinglet, 3; Common Starling, 172; House Sparrow, 308; Eastern Meadowlark, 1; Cardinal, 46; Am. Goldfinch, 3; Slate-colored Junco, 70; Am. Tree Sparrow, 265; White-throated Sparrow, 1; Song Sparrow, 18. **Total,** 36 species; 1698 individuals. (Seen in area Dec. 26: Red-breasted Nuthatch, 1; Ruby-crowned Kinglet, 1.) — Larry Fahringer, Wayne Manning, Larry McQueen, John Musser, Hollis T. Ross (compiler), Margaret L. Ross, Marlin Troutman (Bucknell Ornithological Club).

119. Linesville, Pa. (7½-mile radius from point 2 miles SE of Linesville center, including part of Ohio shore of Pymatuning Reservoir and Conneaut Lake; lake shore 40%, swamp 10%, open fields, 25%, towns 5%, mixed woods 20%).—Dec. 27; 8:15 a.m. to 4:45 p.m. Overcast, frequent snow squalls; temp. 20° to 27°; wind NW, 20-25 m.p.h.; ½ in. snow; Conneaut Lake all open, Pymatuning Lake 75% frozen, ground frozen. Three observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 51 (8 on foot, 43 by car). Pied-billed Grebe, 3; Canada Goose, 1500 (est.); Mallard, 1500 (est.); Black Duck, 500 (est.); Blue-winged Teal, 4 [no details—Ed.]; Am. Golden-eye, 2; Buffle-head, 4; Ruddy Duck, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Bald Eagle, 4; Marsh Hawk, 4; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Ring-billed Gull, 14; Yellow-shafted Flicker, 10; Downy Woodpecker, 1; Blue Jay, 1; Am. Crow, 4; Black-capped Chickadee, 17; Tufted Titmouse, 4; White-breasted Nuthatch, 11; Am. Robin, 7; Ruby-crowned Kinglet, 1 [no details—Ed.]; Common Starling, 105; House Sparrow, 116; Cardinal, 7; Pine Siskin, 1; Slate-colored Junco, 17; Am. Tree Sparrow, 124; Swamp Sparrow, 1; Song Sparrow, 1. **Total,** 32 species; about 3970 individuals.—Sara E. Flaugh (compiler), Mrs. Clyde W. Smith, Imogene White (Meadville Bird and Tree Club).

120. Lititz, Pa. (center of Lititz in northern Lancaster County to 7 miles north, Hammer Creek Valley area, White Oak Pond; town suburbs 10%, deciduous farm wood lots 30%, pastures 60%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear; temp. 11° to 24°; wind NW, 20-30 m.p.h.; ponds frozen, creeks open. Seven observers in 3 parties. Total party-hours, 23 (21 on foot, 2 by car); total party-miles, 35 (25 on foot, 10 by car). Mallard, 25; Turkey Vulture, 20; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 12; Ring-necked Pheasant, 101; Mourning Dove, 9; Yellow-shafted Flicker, 4; Downy Woodpecker, 9; Horned Lark, 14; Blue Jay, 20; Am. Crow, 208; Black-capped Chickadee, 56; Tufted Titmouse, 29; White-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 1; Eastern Bluebird, 1; Ruby-crowned Kinglet, 1 [no details—Ed.]; Common Starling, 566; House Sparrow, 440; Eastern Meadowlark, 50; Cardinal, 31; Am. Goldfinch, 25; Slate-colored Junco, 148; Am. Tree Sparrow, 481; Field Sparrow, 2; White-throated Sparrow, 29; Song Sparrow, 55. **Total,** 32 species; 2357 individuals.—Barton L. Sharp, Wm. Light, Charles Regennas, Jr., Charles Bowman, Jr., Paul Seaber, Jr., Milton Steffy, Jr., James Witmyer (Lititz Bird Club).

121. New Bloomfield, Pa. (same area as previous years).—Dec. 21; 6:30 a.m. to 5 p.m. Light rain and fog all day; temp. 35° to 40°; no wind; ground covered with ¼ inch melting snow; all water open. Eleven observers in 4 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 147 (17 on foot, 130 by car). Pied-billed Grebe, 1; Mallard, 5; Black Duck, 1; Am. Widgeon, 1; Am. Golden-eye, 15; Am. Merganser, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 4; Bob-white, 18; Wilson's Snipe, 1; Herring Gull, 2; Mourning Dove, 3; Barn Owl, 1; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 26; Blue Jay, 1; Am. Crow, 164; Black-capped Chickadee, 78; Tufted Titmouse, 49; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 7; Eastern Bluebird, 7; Cedar Waxwing, 1; Common Starling, 624; House Sparrow, 457; Eastern Meadowlark, 16; Cardinal, 126; Am. Goldfinch, 82; Slate-colored Junco, 415; Am. Tree Sparrow, 152; Field Sparrow, 10; White-throated Sparrow, 1; Song Sparrow, 7. **Total,** 41 species; 2303 individuals. (Tracks of Ring-necked Pheasant seen on day of count, date made is uncertain.)—F. Fry, Sr., F. Fry, Jr., G. German, D. Keiser, L. Myers, R. Myers, D. K. Reisinger, J. Soule, Dr. O. K. Stephenson (compiler), P. Wueller, G. Wueller.

122. Philadelphia Region, Pa. (same area and habitat percentages as last year).—Dec. 25; 1:30 a.m. to 5 p.m. Clear; temp. 35° to 50°; wind NW, 0-5 m.p.h.; all rivers, streams, marshes open. Nine observers in 6 parties. Total party-hours, 45½ (30 on foot, 15½ by car); total party-miles, 311 (36 on foot, 275 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 1; Black-crowned Night Heron, 1; Mallard, 90; Black Duck, 2737; Am. Widgeon, 1; Pintail, 6000; Green-winged Teal, 2; Canvas-back, 2; Lesser Scaup, 22; Am. Golden-eye, 18; Buffle-head, 3; Ruddy Duck, 87; Hooded Merganser, 1; Am. Merganser, 287; Cooper's Hawk, 2; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 9; Ring-necked Pheasant, 5; Wilson's Snipe, 70; Red-backed Sandpiper, 1; Great Black-backed Gull, 4; Herring Gull, 680; Ring-billed Gull, 456; Mourning Dove, 18; Barn Owl, 4; Screech Owl, 3; Barred Owl, 1; Long-eared Owl, 6; Saw-whet Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 35; Horned Lark, 125; Blue Jay, 27; Am. Crow, 284; Fish Crow, 1; Black-capped Chickadee, 7; Carolina Chickadee, 33; Tufted Titmouse, 39; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 7; Carolina Wren, 6; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 2; Golden-crowned Kinglet, 36; Ruby-crowned Kinglet, 2; Cedar Waxwing, 16; Common Starling, 2060; House Sparrow, 270; Eastern Meadowlark, 31; Red-winged Blackbird, 12; Purple Grackle, 3; Brown-headed Cowbird, 1; Cardinal, 44; Pine Siskin, 166; Am. Goldfinch, 48; Savannah Sparrow, 2; Vesper Sparrow, 5; Slate-colored Junco, 270; Am. Tree Sparrow, 24; Field Sparrow, 17; White-throated Sparrow, 356; Fox Sparrow, 12; Swamp Sparrow, 6; Song Sparrow, 84; Lapland Longspur, 3; Snow Bunting, 2. **Total,** 76 species; 7778 individuals.—D. Cutler, E. Cutler, H. Cutler, E. Finkel, W. Jay, Q. Kramer, E. Reimann, P. Wirick, O. Wonderly.

[On Dec. 27, 21 members of the Pennypack Valley Bird Club covered the Pennypack Creek Valley in 4 parties (total party-hours not stated) and recorded 3628 individuals of 41 species including 1 Wood Duck.]

123. Reading, Pa. (7½-mile radius centering 2 miles northeast of city, including Lake Ontelaunee and Birdsboro; deciduous woodland 30%, open farmland 30%, lakes and ponds 10%, streams and river bottom 20%, young pine plantation 10%).—Dec. 28; 8 a.m. to 4 p.m. Clear; temp. 8° to 25°; wind NE, 5-10 m.p.h.; ground bare; fresh water open. Sixteen observers in 6 parties. Total party-hours, 36 (25 on foot, 11 by car); total party-miles, 100 (25 on foot, 75 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Black-crowned Night Heron, 1; Canada Goose, 8; Am. Brant, 1; Mallard, 300; Black Duck, 2700; Am. Widgeon, 100; Pintail, 40; Hooded Merganser, 1; Am. Merganser, 400; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 6; Killdeer, 7; Herring Gull, 6; Ring-billed Gull, 20; Mourning Dove, 4; Barn Owl, 1; Screech Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 27; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 33; Blue Jay, 13; Am. Crow, 2020; Black-capped Chickadee, 64; Tufted Titmouse, 35; White-breasted Nuthatch, 22; Brown Creeper, 6; Winter Wren, 1; Am. Robin, 19; Wood Thrush, 1 (carefully identified by Samuel Grundy, Helen Poole and Earl Poole; first seen on Dec. 24, and remained in the same yard until Dec. 29); Eastern Bluebird, 26; Golden-crowned Kinglet, 33; Cedar Waxwing, 66; Common Starling, 528; Myrtle Warbler, 20; House Sparrow, 181; Cardinal, 44; Purple Finch, 6; Pine Siskin, 6; Am. Goldfinch, 38; Slate-colored Junco, 188; Am. Tree Sparrow, 85; White-throated Sparrow, 84; Swamp Sparrow, 1; Song Sparrow, 29. **Total,** 52 species; 7189 individuals.—Phoebe Bertolet, Mary J. Brown, Donald Burger, Kenneth Dearolf (compiler), Luther Epler, Catharine Feick, Samuel Gundy, John Hand, Edward Hill, Esther Lash, Joseph Malek, Paul Martin, Rose Oakes, Earl L. Poole, Charles Schaich, Ira J. Weigley.

124. Richboro (Bucks Co.), Pa. (starting at Holland, both sides of Ironworks Creek valley to reservoir dam, the lake and creek headwaters area near Richboro; Grenoble along Little Neshaminy Creek and railroad one mile, back by Yellow House and Elliot farm; 4 maples and Fisher's woods near Langhorne; open farm land 10%, Hemlock and deciduous woodland 45%, brush grown fields 40%, grassy & cattail marsh 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Heavy frost in morning, clear; temp. 10° to 25°; wind NW, 30 m.p.h.; ground bare, frozen; streams 2/3 covered with ice, lake mostly frozen over with new ice except over springs. Seven observers in 6 parties. Total party-hours, 39 (34 on foot, 5 by car); total party-miles, 78; (38 on foot, 40 by car). Great Blue Heron, 1; Canada Goose, 13; Mallard, 800; Black Duck, 210; Am. Widgeon, 29; Pintail, 260; Wood Duck, 1; Am. Merganser, 25; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Am. Coot, 1; Herring Gull, 3; Mourning Dove, 1; Long-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 22; Hairy Woodpecker, 2; Downy Woodpecker, 31; Blue Jay, 19; Am. Crow, 118; Black-capped Chickadee, 25; Tufted Titmouse, 34; White-breasted Nuthatch, 6; Brown Creeper, 4; Carolina Wren, 3; Am. Robin, 3; Hermit Thrush, 4; Eastern Bluebird, 13; Golden-crowned Kinglet, 10; Water Pipit, 70; Common Starling, 1300; Myrtle Warbler, 3; House Sparrow, 65; Eastern Meadowlark, 17; Cardinal, 18; Pine Siskin, 6; Am. Goldfinch, 48; Eastern Towhee, 1; Slate-colored Junco, 239; Am. Tree Sparrow, 247; Field Sparrow, 19; White-throated Sparrow, 175; Fox Sparrow, 2; Song Sparrow, 84; Snow Bunting, 30. **Total,** 48 species; 3981 individuals. (Also seen in area

during the week: Whistling Swan, Cooper's Hawk, Sharp-shinned Hawk, Bald Eagle, Killdeer, Barn Owl, Carolina Chickadee, Winter Wren, Mockingbird, Loggerhead Shrike.)—Alan Brady, Adolph Herzog, David Jarden, Edward Rhine, George Riley, Lester Thomas, Louis J. McConnell (Neshaminy Valley Nature Club).

125. **Scranton, Pa.** (same as last year).—Dec. 28; 8:30 a.m. to 5 p.m. Partially cloudy; temp. 10° to 27°; wind NW, 0-8 m.p.h.; ground bare. Fifteen observers in 7 parties. Total party-hours, 27 (16 on foot, 11 by car); total party-miles, 215 (19 on foot, 196 by car). Black Duck, 260; Am. Golden-eye, 6; Am. Merganser, 26; Sparrow Hawk, 2; Ruffed Grouse, 1; Killdeer, 3; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 23; Blue Jay, 36; Am. Crow, 92; Black-capped Chickadee, 154; Tufted Titmouse, 1; White-breasted Nuthatch, 9; Brown Creeper, 2; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Common Starling, 568; House Sparrow, 438; Eastern Meadowlark, 1; Cardinal, 8; Pine Siskin, 60; Am. Goldfinch, 82; Slate-colored Junco, 64; Am. Tree Sparrow, 376; Song Sparrow, 9. **Total,** 30 species; 2234 individuals. (Albino black duck now seen for third year in flock of same species.)—J. M. Cairns, Mr. and Mrs. F. H. Coffin, Elizabeth Crellin, S. A. Davis, Mrs. D. A. Gardner, H. R. Jones, M. J. Kelley, Russell Landis, Peter Price, David and Ronald Wharton, Kenneth and P. Widdall, Ed Williams (Scranton Bird Club).

126. **Southeastern Bradford County, Pa.** (same area and habitat percentages as last 2 years).—Dec. 23; 4:50 a.m. to 4:20 p.m. Foggy with occasional light rain; temp. 30° to 41°; wind S, 1-2 m.p.h.; ground bare, ponds frozen, creeks and Susquehanna River open. One observer. Total hours, 11½ (7½ on foot, 4 by car); total miles, 101 (5 on foot, 96 by car). Mallard, 5; Black Duck, 9; Am. Merganser, 35; Red-tailed Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Herring Gull, 5; Screech Owl, 1; Horned Owl, 5; Belted Kingfisher, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 6; Am. Crow, 50; Black-capped Chickadee, 50; Tufted Titmouse, 7; White-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 1; Am. Robin, 1; Common Starling, 150; House Sparrow, 40; Eastern Meadowlark, 30; Cardinal, 3; Purple Finch, 2; Am. Goldfinch, 20; Slate-colored Junco, 40; Am. Tree Sparrow, 60; Field Sparrow, 1; Song Sparrow, 3. **Total,** 31 species; 550 individuals.—William Reid.

127. **State College, Pa.** (campus, town, and environs, Millbrook, Lemont, Oak Hall, fish hatchery, Tadpole and vicinity, Barrens, Buffalo Run, Reitz, Shingletown, and Pine Grove Gaps; town and campus 19%, farmlands and fence-rows 15%, ponds and streams 15%, brushy land 15%, mixed forests and woodlots 36%).—Dec. 20; 8 a.m. to 5 p.m. Cloudy, light snow in p.m.; temp. 27° to 33°; wind E, 1-7 m.p.h.; ground bare but frozen, most ponds and running streams open. Seventeen observers in 7 parties. Total party-hours, 45 (34 on foot, 11 by car); total party-miles, 166 (33 on foot, 133 by car). Pied-billed Grebe, 1; Whistling Swan, 1; Mallard, 151; Black Duck, 1; Am. Widgeon, 1; Green-winged Teal, 2; Sparrow Hawk, 5; Ruffed Grouse, 12; Ring-necked Pheasant, 2; Turkey, 11; Screech Owl, 1; Horned Owl, 1; Pileated Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 16; Horned Lark, 6; Blue Jay, 4; Common Raven, 1 (M.W.); Am. Crow, 73; Black-capped Chickadee, 64; Tufted Titmouse, 24; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 4; Common Starling, 249; House Sparrow, 165; Cardinal, 17; Purple Finch, 13; Am. Goldfinch, 85; Slate-colored Junco, 141; Am. Tree Sparrow, 268; White-throated Sparrow, 4; Song Sparrow, 3. **Total,** 37 species; 1361 individuals. — Mr. and Mrs. E. R. Bordner, Dorothy Bordner, W. S. Clarke, Jr., Mrs. Arthur W. Cowell, David Cowell, Mrs. Harold Dillenbeck, Charles Ely, Mrs. R. D. Fellows, Mrs. Helen Harlan, Mrs. Ruth Honey, Alice Latimer, Marguerite Little, Mrs. Eugene T. McDonald, Mrs. C. J. Rowland, Ward M. Sharp, S. Spencer, Merrill Wood (State College Bird Club).

128. **Warren, Pa.** (same area as last year).—Dec. 21; 8 a.m. to 4:45 p.m. Overcast, foggy; temp. 33° to 34°; no wind; ground covered with 2-3 in. of snow, streams open. Two observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 43 (8 on foot, 35 by car). Pied-billed Grebe, 1; Mallard, 2; Am. Merganser, 1; Ruffed Grouse, 1; Herring Gull, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 25; Black-capped Chickadee, 44; Tufted Titmouse, 2; White-breasted Nuthatch, 10; Brown Creeper, 4; Golden-crowned Kinglet, 2; Common Starling, 58; House Sparrow, 70; Cardinal, 7; Purple Finch, 1; Slate-colored Junco, 34; Am. Tree Sparrow, 32; Field Sparrow, 6; White-throated Sparrow, 1; Song Sparrow, 12. **Total,** 23 species; 322 individuals.—Mr. & Mrs. Harris E. Johnson.

129. **Washington Crossing, Pa.** (Upper Makefield Township including Washington Crossing Park and Bowman's Hill section, 6 miles along Delaware River and inland 4 miles; farms, villages, abandoned farms, lowland and upland deciduous woods and small stands of hemlock, pine and spruce plantings, canal, ponds and streams).—Dec. 28; 7 a.m. to 6 p.m. Clear; temp. 10° to 30°; wind NW, 25 m.p.h.; ground bare and frozen, river and streams open, ponds and canal partly frozen. Two observers in 1 party. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 40 (10 on foot, 30 by car). Mallard, 55; Black Duck, 15; Pintail, 1; Am. Golden-eye, 1; Am. Merganser, 9; Sharp-

shinned Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 1; Herring Gull, 7; Mourning Dove, 11; Horned Owl, 2; Yellow-shafted Flicker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 14; Blue Jay, 15; Am. Crow, 44; Black-capped Chickadee, 26; Tufted Titmouse, 8; White-breasted Nuthatch, 8; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 8; Common Starling, 397; House Sparrow, 42; Cardinal, 3; Am. Goldfinch, 35; Slate-colored Junco, 236; Am. Tree Sparrow, 26; White-throated Sparrow, 72; Fox Sparrow, 3; Song-Sparrow, 22. **Total,** 34 species; 1078 individuals. (Seen in the area during census period: Ring-necked Pheasant, 1; Screech Owl, 1; Yellow-bellied Sapsucker, 1; Fish Crow, 1; Golden-crowned Kinglet, 2; Pine Siskin, 50± [flock].)—H. Drinkwater, N. C. Wyckoff (compiler).

130. West Chester, Pa. (7½-mile radius; open farm land 55%, overgrown fields 20%, deciduous woods 20%, mixed evergreen plantings 2%, serpentine barrens 1%, town suburbs 2%).—Dec. 27; 7 a.m. to 5:15 p.m. Clear, with occasional overcast; temp. 31° to 26°; wind W to SW, 2-10 m.p.h.; one heavy snow flurry in afternoon; ponds and streams unfrozen. Fifty-seven observers in 18 parties. Total party-hours, 114¾ (76¼ on foot, 38½ by car); total party-miles, 441¼ (81¼ on foot, 360 by car). Pied-billed Grebe, 2; Great Blue Heron, 6; Black-crowned Night Heron, 7; Canada Goose, 25; Mallard, 513; Black Duck, 207; Am. Widgeon, 64; Pintail, 4; Green-winged Teal, 2; Ring-necked Duck, 25; Buffle-head, 10; Am. Merganser, 2; Turkey Vulture, 13; Sharp-shinned Hawk, 5; Cooper's Hawk, 3; Red-tailed Hawk, 8; Red-shouldered Hawk, 8; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 16; Ring-necked Pheasant, 9; Killdeer, 53 (unusually abundant); Herring Gull, 4; Mourning Dove, 85; Screech Owl, 3; Horned Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 41; Eastern Phoebe, 2; Horned Lark, 48; Blue Jay, 120; Am. Crow, 1278; Black-capped Chickadee, 147; Carolina Chickadee, 31; Tufted Titmouse, 81; White-breasted Nuthatch, 79; Brown Creeper, 4; Winter Wren, 7; Carolina Wren, 6; Mockingbird, 8; Catbird, 1; Am. Robin, 11; Hermit Thrush, 3; Eastern Bluebird, 61; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 6; Water Pipit, 130; Cedar Waxwing, 3; Common Starling, 1712; Myrtle Warbler, 5; Pine Warbler, 1; House Sparrow, 477; Eastern Meadowlark, 14; Red-winged Blackbird, 14; Purple Grackle, 16; Cardinal, 67; Purple Finch, 3; Pine Siskin, 21; Am. Goldfinch, 125; Eastern Towhee, 3; Savannah Sparrow, 1; Vesper Sparrow, 1; Slate-colored Junco, 686; Am. Tree Sparrow, 322; Field Sparrow, 5; White-throated Sparrow, 290; Fox Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 104. **Total,** 72 species; 7004 individuals. (Seen in area Dec. 26: Barn Owl.) —Carl Siebecker, William Oliver, Mrs. Donald Kitchen, Mr. and Mrs. Cyril Bryan, Mr. and Mrs. Tayler Herron, Edna Mendenhall, Edna Hess, Mrs. Laura Abbott, Phyllis and Beryl Hurlock, Margaret Whitecar, Anna and Florence James, Frances Groff, Christopher and Daniel Whyte, Frederic, Frederic, Jr., and Sarah Swan, Mr. and Mrs. Joseph Cope, Dr. and Mrs. Robert Gordon, Mr. and Mrs. John Frankenfield, Dr. and Mrs. Edward Wallwork, Helen and Gertrude Rhoads, Marian Cheyney, Mrs. Lewis Marshall, Esther Baldwin, Pauline Ramstine, Dr. Mary Hoge, Helena Tittmann, Fred Colwell, Mr. and Mrs. Edward Siddall, Gilbert and John Siddall, Tom Morgan, Peter Colwell, Margaret Goodwin, Mrs. Mildred Pendergrast, Mary Thomas, Mary Way, Mrs. Ethel Cope, Penny Worth, Viola Messmer, Mrs. Abner Few, Mr. and Mrs. Shippen Willing, Mrs. Isaac Roberts, Herbert Houston, Francis Newman (West Chester Bird Club).

131. Wyncote, Pa. (approximately same area as in recent years).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 12° to 24°; wind NW, 10 m.p.h.; ground bare. Eighteen observers in 12 parties. Total party-hours, 84 (40 on foot, 44 by car); total party-miles, 75 (25 on foot, 50 by car). Mallard, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 19; Killdeer, 15; Herring Gull, 1; Mourning Dove, 160; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 17; Hairy Woodpecker, 7; Downy Woodpecker, 36; Blue Jay, 49; Am. Crow, 256; Black-capped Chickadee, 26; Tufted Titmouse, 66; White-breasted Nuthatch, 22; Brown Creeper, 4; Winter Wren, 6 (singing); Mockingbird, 1; Am. Robin, 9; Eastern Bluebird, 10; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; Cedar Waxwing, 35 (1 flock); Common Starling, 202,843+; Myrtle Warbler, 6; House Sparrow, 297; Eastern Meadowlark, 2; Red-winged Blackbird, 150; Purple Grackle, 70; Brown-headed Cowbird, 20; Cardinal, 92; Purple Finch, 8; Pine Siskin, 6; Am. Goldfinch, 24; Eastern Towhee, 8; Slate-colored Junco, 378; Am. Tree Sparrow, 108; Chipping Sparrow, 1 (carefully observed at close range—E.C.); Field Sparrow, 30; White-throated Sparrow, 328; Fox Sparrow, 6; Song Sparrow, 65. **Total,** 47 species; 205,214+ individuals. (Flock of at least 200,000 starlings bound towards roost, edging our territory, estimated to comprise a million birds.)—Andrew Boissevain, Mrs. Evelyn Custer, Mr. and Mrs. John Dornan, William Gericke, Mr. and Mrs. E. S. Griscom, Jay V. Hare, John Holmes, Richard Lord, Thomas Lord, Fred Mears, Mr. and Mrs. C. Rowland, Jay Schnell, Curtis Sooy, Mr. and Mrs. H. Wright (Wyncote Bird Club).

132. York, Pa. (approximately same area as in 9 previous years; town suburbs, fields, and countryside, from York east to Susquehanna River, from 3 miles north to 3 miles south; open farm land 50%, deciduous farm wood lots 10%, marshy meadow 5%, woodland and fields along river 30%, town suburbs 5%).—Dec. 20; 8 a.m. to 9 p.m. Cloudy, later light snow; temp. 24° to 34°; wind ESE

to S, 19-24 m.p.h.; ground bare, streams open. Eight observers in 6 parties. Total party-hours, 26½ (22½ on foot, 4 by car); total party-miles, 55½ (14½ on foot, 41 by car). Common Loon, 1; Whistling Swan, 11; Canada Goose, 9; Black Duck, 400 (±25); Am. Golden-eye, 23; Am. Merganser, 9; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Killdeer, 7; Herring Gull, 14; Ring-billed Gull, 6; Mourning Dove, 6; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 12; Horned Lark, 85; Blue Jay, 10; Am. Crow, 180; Fish Crow, 2; Black-capped Chickadee, 7; Carolina Chickadee, 2; Tufted Titmouse, 24; White-breasted Nuthatch, 4; Brown Creeper, 5; Winter Wren, 4; Carolina Wren, 6; Mockingbird, 3; Am. Robin, 11; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Common Starling, 344; House Sparrow, 189; Cardinal, 38; Am. Goldfinch, 7; Eastern Towhee, 3; Slate-colored Junco, 41; Am. Tree Sparrow, 18; White-crowned Sparrow, 1; White-throated Sparrow, 67; Song Sparrow, 16. **Total,** 44 species; 1579 individuals.—Elizabeth Bilger, Ross B. Bilger, Luther Dehoff, Mrs. George Dressler, Esther M. Knipe, Anna C. Reinecker, Mrs. J. T. Yoder, Viola V. Dietz (York County Bird Club).

133. **Bombay Hook National Wildlife Refuge (Kent Co.), Del.** (same area and habitat percentages as last year).—Dec. 21; 4:30 a.m. to 5 p.m. Driving rain all day; temp. 38° to 45°; wind NE, 14 m.p.h.; all waterways open. Thirty-two observers in 10 parties. Total party-hours, 168 (95 on foot, 73 by car); total party-miles, 697 (122 on foot, 575 by car). Common Loon, 1; Red-throated Loon, 1; Horned Grebe, 2; Pied-billed Grebe, 4; Great Blue Heron, 35; Am. Egret, 12; Black-crowned Night Heron, 7; Am. Bittern, 1; Whistling Swan, 5; Canada Goose, 1205; Mallard, 336; Black Duck, 1883; Gadwall, 29; Am. Widgeon, 5; Pintail, 380; Green-winged Teal, 121; Blue-winged Teal, 2; Shoveller, 11; Wood Duck, 1; Redhead, 18; Canvas-back, 260; Greater Scaup, 378; Am. Golden-eye, 6; Buffle-head, 5; Old-squaw, 10; White-winged Scoter, 54; Surf Scoter, 20; Am. Scoter, 5; Ruddy Duck, 2; Hooded Merganser, 22; Am. Merganser, 14; Turkey Vulture, 220; Black Vulture, 4; Sharp-shinned Hawk, 6; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 6; Rough-legged Hawk, 7; Bald Eagle, 2; Marsh Hawk, 48; Peregrine Falcon, 1; Sparrow Hawk, 16; Ring-necked Pheasant, 4; Clapper Rail, 3; Am. Coot, 2; Killdeer, 69; Wilson's Snipe, 102; Greater Yellow-legs, 3; Least Sandpiper, 1; Red-backed Sandpiper, 37; Great Black-backed Gull, 5; Herring Gull, 219; Ring-billed Gull, 234; Laughing Gull, 4; Mourning Dove, 83; Barn Owl, 9; Horned Owl, 3; Barred Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 30; Red-bellied Woodpecker, 10; Hairy Woodpecker, 3; Downy Woodpecker, 10; Eastern Phoebe, 1; Horned Lark, 129; Blue Jay, 31; Am. Crow, 4427; Fish Crow, 8; Carolina Chickadee, 54; Tufted Titmouse, 23; White-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 3; Carolina Wren, 20; Mockingbird, 11; Catbird, 1; Am. Robin, 5; Hermit Thrush, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 2; Water Pipit, 227; Cedar Waxwing, 4; Loggerhead Shrike, 1; Common Starling, 7330; Myrtle Warbler, 52; House Sparrow, 380; Eastern Meadowlark, 740; Red-winged Blackbird, 11,850; Rusty Blackbird, 42; Purple Grackle, 93; Brown-headed Cowbird, 161; Cardinal, 93; Purple Finch, 2; Pine Siskin, 18; Am. Goldfinch, 51; Eastern Towhee, 7; Savannah Sparrow, 8; Seaside Sparrow, 2; Slate-colored Junco, 97; Am. Tree Sparrow, 204; Field Sparrow, 16; White-crowned Sparrow, 2; White-throated Sparrow, 411; Fox Sparrow, 2; Swamp Sparrow, 36; Song Sparrow, 93. **Total,** 108 species; 32,661 individuals. — John Arnett, Jr., Trusten Baldwin, Joseph Cadbury, Walter Corson, David Cutler, Herbert Cutler (compiler), Elizabeth Cutler, Richard Darby, Paul Dion, Edwin Finkel, Nathan Fitelson, James Harvey, William Jay, Quintin Kramer, Charles Lyman, Harry Matthews, Richard Miller, John Miller, Sam Mulligan, Howell Peniston, Charles Price, Jr., William Reynolds, Edward Rigby, Robert Sehl, Lewis Sterner, Eugene Udell, Clare Victorius, Claus Victorius, Morris Weiss, Charles Wonderly, Charles Wurster, Jr., Robert Zimmerman (Delaware Valley Ornithological Club).

134. **Middletown, Del.** (same as 1951).—Dec. 26; 7 a.m. to 5:15 p.m. Clear; temp. 33° to 38°; wind NWW, 6-12 m.p.h.; ground bare; all water open. Six observers in 2 parties, sometimes together. Total party-hours, 14 (11½ on foot, 2½ by car); total party-miles, 72 (9 on foot, 63 by car). Pied-billed Grebe, 1; Great Blue Heron, 9; Canada Goose, 56; Mallard, 145 (100±10, 45); Black Duck, 617 (600±50, 17); Pintail, 3; Blue-winged (?) Teal, 3; Wood Duck, 1; Canvas-back, 43; Am. Merganser, 63; Turkey Vulture, 38; Black Vulture, 4; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 4; Am. Coot, 42; Killdeer, 10; Red-backed Sandpiper, 1; Dowitcher, 12 (clearly seen flying directly overhead in two flocks, at 40 yards, by E.B., E.B., W.P. 2nd and S.P.); Great Black-backed Gull, 1; Herring Gull, 26; Ring-billed Gull, 123; Mourning Dove, 64; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 5; Downy Woodpecker, 3; Horned Lark, 19; Blue Jay, 8; Am. Crow, 29; Carolina Chickadee, 15; Tufted Titmouse, 9; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 3; Eastern Bluebird, 6; Golden-crowned Kinglet, 1; Common Starling, 268 (185±25, 83); Myrtle Warbler, 6; House Sparrow, 6; Eastern Meadowlark, 5; Red-winged Blackbird, 106; Purple Grackle, 64; Brown-headed Cowbird, 12; Cardinal, 14; Am. Goldfinch, 32; Savannah Sparrow, 4; Slate-colored Junco, 81; Am. Tree Sparrow, 20; White-throated Sparrow, 39; Swamp Sparrow, 1; Song Sparrow, 13. **Total,** 57 species; about 2065 individuals.—William Amos, Elizabeth

Brady, Ethel Brady, Stuyvesant Pell, Walden Pell 2nd (compiler), Davis Washburn.

135. Accokeek, Md. (east side of Potomac River from mouth of Piscataway Creek south to Brian's Point; area of about 2 square miles comprising river front, cultivated river flat, wooded creek bottom, wooded swamp, cattail marsh, and border of adjacent wooded upland).—Dec. 26; 7:30 a.m. to 4:30 p.m. Partly cloudy at start, clearing early; temp. 37° to 44°; wind NW to W, gusty, up to 25 m.p.h., subsiding in p.m.; ground bare; no ice. Four observers in 4 parties. Total party-hours, 28; total party-miles, 29 (on foot). Mallard, 10; Black Duck, 40; Buffle-head, 16; Am. Merganser, 30; Red-breasted Merganser, 1; Turkey Vulture, 10; Black Vulture, 15; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Bald Eagle, 4; Sparrow Hawk, 2; King (?) Rail, 1; Killdeer, 53; Wilson's Snipe, 2; Herring Gull, 275; Ring-billed Gull, 75; Mourning Dove, 55; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 30; Pileated Woodpecker, 2; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 20; Blue Jay, 30; Am. Crow, 20; Carolina Chickadee, 45; Tufted Titmouse, 25; Brown Creeper, 6; Winter Wren, 7; Carolina Wren, 35; Mockingbird, 17; Am. Robin, 20; Hermit Thrush, 2; Eastern Bluebird, 25; Golden-crowned Kinglet, 11; Common Starling, 20; Myrtle Warbler, 16; House Sparrow, 9; Eastern Meadowlark, 80; Red-winged Blackbird, 50; Rusty Blackbird, 1; Cardinal, 30; Am. Goldfinch, 100; Savannah Sparrow, 12; Slate-colored Junco, 250; Am. Tree Sparrow, 3; Field Sparrow, 20; White-throated Sparrow, 150; Fox Sparrow, 1; Swamp Sparrow, 17; Song Sparrow, 70. **Total,** 55 species; about 1771 individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

136. Catoctin Mountain, Md. (7½-mile radius centered 1.3 miles west of Thurmont; described in 1949).—Dec. 27; 5:40 a.m. to 4:45 p.m. Overcast; snow flurries in p.m.; temp. 25° to 35°; wind W to NW, 10-20 m.p.h.; ground bare, ponds and streams open. Fifteen observers in 5 parties. Total party-hours, 50 (27 on foot, 23 by car); total party-miles, 240 (25 on foot, 215 by car). Mallard, 18; Black Duck, 19; Green-winged Teal, 1; Am. Merganser, 16; Turkey Vulture, 153; Black Vulture, 6; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 1; Killdeer, 35; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 22; Downy Woodpecker, 63; Horned Lark, 124 (Prairie); Blue Jay, 47; Am. Crow, 3577; Fish Crow, 1; Black-capped Chickadee, 13; Carolina Chickadee, 142; Tufted Titmouse, 102; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 16; **House Wren,** 1 (well seen—J.W.R.); Winter Wren, 10; Carolina Wren, 21; Mockingbird, 11; Am. Robin, 21; Hermit Thrush, 1; Eastern Bluebird, 65; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 2; Water Pipit, 51; Cedar Waxwing, 34; Loggerhead Shrike, 1; Common Starling, 1678; Myrtle Warbler, 23; House Sparrow, 708; Eastern Meadowlark, 2; Cardinal, 207; Purple Finch, 18; Pine Siskin, 108; Am. Goldfinch, 39; Slate-colored Junco, 458; Am. Tree Sparrow, 260; Field Sparrow, 55; White-crowned Sparrow, 22; White-throated Sparrow, 98; Song Sparrow, 39. **Total,** 58 species; 8373 individuals.—Charles Buchanan, Florence H. Burner, Richard D. Cole, Orville W. Crowder, Duvall Jones, Mary K. McNabb, Paul J. O'Brien, Sarah Quinn, Dr. (compiler) and Mrs. John W. Richards, Chandler S. Robbins, Mrs. Wm. R. Slemmer, Allen R. Stickley, Jr., Paul E. Taylor, Edwin Willis.

137. Chase, Md. (same area as in past two years but upland coverage better and estuarine habitats less well covered due to closure of military reservation areas).—Dec. 28; 7 a.m. to 7 p.m. Clear; temp. 17° to 33°; wind NW, 10-25 m.p.h.; ground bare, smaller estuaries and creeks frozen. Twenty-one observers in 8 parties. Total party-hours, 49 (39 on foot, 10 by car); total party-miles, 170 (44 on foot, 126 by car). Common Loon, 1; Horned Grebe, 5; Pied-billed Grebe, 8; Great Blue Heron, 2; Whistling Swan, 990; Canada Goose, 415; Mallard, 24; Black Duck, 451; Gadwall, 1; Am. Widgeon, 3653; Pintail, 13; Green-winged Teal, 1; Redhead, 1850; Ring-necked Duck, 8; Canvasback, 76; scaup (sp.), 3; Am. Golden-eye, 5; Buffle-head, 24; Ruddy Duck, 1; Hooded Merganser, 5; Am. Merganser, 28; Red-breasted Merganser, 7; Turkey Vulture, 19; Sharp-shinned Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Bald Eagle, 16; Marsh Hawk, 3; Sparrow Hawk, 4; Bob-white, 12; Virginia Rail, 5; Am. Coot, 4831; Killdeer, 16; Great Black-backed Gull, 2; Herring Gull, 159; Ring-billed Gull, 497; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 25; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 23; Horned Lark, 56; Blue Jay, 59; Am. Crow, 258; Carolina Chickadee, 58; Tufted Titmouse, 39; White-breasted Nuthatch, 8; Brown Creeper, 19; Winter Wren, 3; Carolina Wren, 28; Mockingbird, 29; Am. Robin, 19; Hermit Thrush, 5; Eastern Bluebird, 53; Golden-crowned Kinglet, 44; Cedar Waxwing, 18; Common Starling, 7166; Myrtle Warbler, 45; Common Yellowthroat, 1; House Sparrow, 223; Red-winged Blackbird, 328; Rusty Blackbird, 242; Cardinal, 77; Purple Finch, 8; **Pine Siskin,** 90; Am. Goldfinch, 117; Eastern Towhee, 26; Savannah Sparrow, 1; Slate-colored Junco, 485; Am. Tree Sparrow, 126; Field Sparrow, 57; White-throated Sparrow, 369; Fox Sparrow, 2; Swamp Sparrow, 31; Song Sparrow, 116. **Total,** 77 species; 23,421 individuals. (In area Dec. 25: Red-throated Loon; Dec. 20 to 24: Old-squaw; Dec. 23 and 24: Yellow Palm Warbler; Dec. 23: Long-billed Marsh Wren—E.W.)—Christine Bowen, Robert Bowen, A. A. Brandenburg, Allen Burke,

Orville Crowder, George Drumm, Douglas Hackman, Pearl Heaps, Duvall Jones, Mrs. R. E. Kaestner, Jack Kaufman, Haven Kolb (compiler), Ruth Lenderking, Mary McNabb, Gladys Nicholl, Chandler S. Robbins, Tirzah M. Sandy, Allen R. Stickley, Jr., John Townsend, Dr. Caroline tum Suden, Edwin Willis (Maryland Ornithological Society).

138. **Denton (Caroline Co.), Md.** (same area and habitat percentages as last year).—Dec. 20; 7 a.m. to 4:30 p.m. Overcast; temp. 28° to 44°; wind NE, 5-10 m.p.h.; ground bare, water open. Eighteen observers in 9 parties. Total party-hours, 51½ (41¼ on foot, 10¼ by car); total party-miles, 198 (17 on foot, 181 by car). Pied-billed Grebe, 4; Great Blue Heron, 7; Mallard, 29; Black Duck, 61; Pintail, 6; Ring-necked Duck, 1; Am. Merganser, 8; **Turkey Vulture,** 596; Black Vulture, 6; Red-tailed Hawk, 9; Red-shouldered Hawk, 4; Marsh Hawk, 20; Sparrow Hawk, 66; Bob-white, 11; Killdeer, 109; Ring-billed Gull, 20; Mourning Dove, 309; Belted Kingfisher, 4; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 13; Hairy Woodpecker, 7; Downy Woodpecker, 19; Eastern Phoebe, 4; Horned Lark, 119; Blue Jay, 55; Am. Crow, 216; Carolina Chickadee, 90; Tufted Titmouse, 26; Brown Creeper, 4; Winter Wren, 12; Carolina Wren, 32; Mockingbird, 40; Brown Thrasher, 1; Am. Robin, 369; Hermit Thrush, 9; Eastern Bluebird, 71; Golden-crowned Kinglet, 29; Water Pipit, 250; Loggerhead Shrike, 10; Common Starling, 1088; Myrtle Warbler, 2; Palm Warbler (Yellow), 4; House Sparrow, 377; Eastern Meadowlark, 360; Red-winged Blackbird, 709; Rusty Blackbird, 1; Purple Grackle, 59; Brown-headed Cowbird, 121; Cardinal, 231; Pine Siskin, 11; Am. Goldfinch, 247; Eastern Towhee, 19; Savannah Sparrow, 9; Slate-colored Junco, 563; Am. Tree Sparrow, 5; Field Sparrow, 98; White-crowned Sparrow, 5; White-throated Sparrow, 376; Fox Sparrow, 5; Swamp Sparrow, 8; Song Sparrow, 125. **Total,** 61 species; 7091 individuals. — Annabelle Bilbrough, Elsie Bilbrough, Irene Bilbrough, Margarete Butenschoen, Richard D. Cole, Mary C. Crone, John V. Dennis, A. J. Fletcher (compiler), Roberta B. Fletcher, Marvin W. Hewitt, Alicia O'C. Knotts, Seth H. Low, Ethel Poore, Dr. John W. Richards, Chandler S. Robbins, Salome G. Somers, Allen R. Stickley, Jr., A. May Thompson.

139. **Gibson Island, Md.** (island of approximately 1000 acres at juncture of Magothy R. and Chesapeake Bay; shore line 8 mi. (2 mi. on Bay); pond area 6 acres, 600 acres deciduous trees, 200 acres scrub pine, 5 acres marsh, 200 acres residential). —Dec. 28; 6:45 a.m. to 5 p.m. Clear; temp. 20° to 30°; wind NW, 15-20 m.p.h.; thin ice along shores. Ten observers in 2 parties. Total party-hours, 16 (14 on foot, 2 by car); total party-miles, 10 (8 on foot, 2 by car). Red-throated Loon, 2; Horned Grebe, 24; Great Blue Heron, 7; **Green Heron,** 1 (seen regularly since Dec. 10—M.S.N., J.M., E.M.B., Mrs. W.L.H.); Whistling Swan, 1000+; Mallard, 3; Black Duck, 36; Am. Widgeon, 1000+; Redhead, 100+; Ring-necked Duck, 200+; Canvas-back, 1000+; Lesser Scaup, 1000+; Am. Golden-eye, 50; Buffle-head, 200; Old-squaw, 20; Am. Scoter, 2; Ruddy Duck, 2000+; Am. Merganser, 36; Turkey Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Am. Coot, 100; Killdeer, 15; Red-backed Sandpiper, 3; Great Black-backed Gull, 1; Herring Gull, 100+; Ring-billed Gull, 100+; Mourning Dove, 5; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 8; Am. Crow, 50+; Fish Crow, 2; Carolina Chickadee, 15; Tufted Titmouse, 8; Brown Creeper, 2; Carolina Wren, 12; Mockingbird, 10; Catbird, 1; Am. Robin, 1; Hermit Thrush, 5; Eastern Bluebird, 20; Golden-crowned Kinglet, 4; Common Starling, 25; Myrtle Warbler, 35; Pine Warbler, 1; House Sparrow, 2; Eastern Meadowlark, 2; Red-winged Blackbird, 14; Cardinal, 40; Am. Goldfinch, 45; Eastern Towhee, 2; Slate-colored Junco, 127+; Am. Tree Sparrow, 2; Chipping Sparrow, 2; White-throated Sparrow, 50; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 50. **Total,** 67 species; 7581 individuals. (Seen in area Dec. 29: White-breasted Nuthatch, 1; Shoveller 2; Common Loon, 1; Dec. 27: Red-shouldered Hawk.)—E. M. Barry, Charles Buchanan, Mr. and Mrs. W. L. Henderson, John Mason, Jr., Mrs. M. S. North, Mr. and Mrs. Dolf Swing, Mrs. Gail Tappan, A. L. Varrieur (Anne Arundel Bird Club).

140. **Loch Raven (Baltimore Co.), Md.** (from Towson around the lake through Dulaney Valley to Loch Raven Station and back to Towson; seral stages 30 to 40 years after cultivation 60%, deciduous forest 25%, cultivated land 5%, new coniferous plantations 5%, coniferous plantations 30 to 40 years old 5%).—Dec. 26; 6:15 a.m. to 5:15 p.m. Clear; temp. 30° to 42°; wind NW, 10-15 m.p.h.; ground bare, no ice on lake. One observer. Total hours, 11 (10 on foot, 1 by car); total miles, 31 (11 on foot, 20 by car). Horned Grebe, 1; Mallard, 24; Black Duck, 1; Hooded Merganser, 2; Am. Merganser, 3; Turkey Vulture, 21; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Belted Kingfisher, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Am. Crow, 30; Carolina Chickadee, 7; White-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 4; Am. Robin, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 2; Common Starling, 105; Myrtle Warbler, 1; Red-winged Blackbird, 1; Cardinal, 1; Am. Goldfinch, 26; Slate-colored Junco, 83; Am. Tree Sparrow, 7; Field Sparrow, 25; White-throated Sparrow, 9; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 35 species; 380 individuals.—Haven Kolb.

141. **Ocean City, Md.** (same area as last 4 years).—Dec. 21; 5:40 a.m. to 5:30 p.m. Dense fog (visibility 400 ft.) all day along the coast except during brief, heavy shower in late p.m.; heavy over-

cast with occasional drizzle inland; temp. 47° to 62°; wind NE, 0-10 m.p.h.; no snow or ice; all boat coverage cancelled due to fog. Twenty-two observers in 8 parties. Total party-hours, 115 (77 on foot, 38 by car); total party-miles, 344 (75 on foot, 269 by car). Common Loon, 3; Red-throated Loon, 10; Red-necked Grebe, 1; Horned Grebe, 109; Pied-billed Grebe, 43; Double-crested Cormorant, 6; Great Blue Heron, 46; Black-crowned Night Heron, 4; Am. Bittern, 2; Canada Goose, 2270; Am. Brant, 2150; Mallard, 800; Black Duck, 1230; Gadwall, 5; Am. Widgeon, 13; Pintail, 109; Green-winged Teal, 200; Redhead, 6; Ring-necked Duck, 20; Canvas-back, 60; scaup, 10 (3 identified as Lesser); Am. Golden-eye, 12; Buffle-head, 35; Old-squaw, 39; **King Eider,** 2 (C.S.R., E.A.); White-winged Scoter, 38; Surf Scoter, 20; Am. Scoter, 31; Ruddy Duck, 18; Hooded Merganser, 4; Red-breasted Merganser, 162; Turkey Vulture, 230; Black Vulture, 3; Sharp-shinned Hawk, 4; Red-tailed Hawk, 3; Red-shouldered Hawk, 8; Marsh Hawk, 15; Pigeon Hawk, 1; Sparrow Hawk, 40; Bob-white, 45; Clapper Rail, 7; Virginia Rail, 2; **Sora,** 1; Am. Coot, 19; **Killdeer,** 460; Black-bellied Plover, 94; Wilson's Snipe, 3; Purple Sandpiper, 15; Least Sandpiper, 25; Red-backed Sandpiper, 276; Sanderling, 116; **Glaucous Gull,** 1 (S.H.L., R.D.C.); Great Black-backed Gull, 20; Herring Gull, 1150; Ring-billed Gull, 1270; Bonaparte's Gull, 35; **Royal Tern,** 1 (C.S.R., E.A.); **Mourning Dove,** 471; Barn Owl, 1; Screech Owl, 1; Horned Owl, 4; Barred Owl, 8; Belted Kingfisher, 12; Yellow-shafted Flicker, 93; Pileated Woodpecker, 5; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 41; Eastern Phoebe, 16; Horned Lark, 154; Blue Jay, 41; Am. Crow, 255; Carolina Chickadee, 147; Tufted Titmouse, 58; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 14; Brown Creeper, 24; House Wren, 1; Winter Wren, 14; **Carolina Wren,** 138; **Long-billed Marsh Wren,** 27; Short-billed Marsh Wren, 35; Mockingbird, 31; Catbird, 7; Brown Thrasher, 6; Am. Robin, 1270; Hermit Thrush, 40; Eastern Bluebird, 206; Golden-crowned Kinglet, 87; Ruby-crowned Kinglet, 13; Water Pipit, 166; Loggerhead Shrike, 11; Common Starling, 777; **Orange-crowned Warbler,** 1 (S.H.L.); Myrtle Warbler, 1140; Pine Warbler, 4; Palm Warbler (Yellow), 3; **Yellow-breasted Chat,** 1 (A.J.F., M.H.); House Sparrow, 414; Eastern Meadowlark, 1120; Red-winged Blackbird, 210; Rusty Blackbird, 35; Boat-tailed Grackle, 130; Purple Grackle, 18; Brown-headed Cowbird, 142; Cardinal, 299; **Common Redpoll,** 3 (E.O.M., R.B.B., J.W.R.); Pine Siskin, 225; Am. Goldfinch, 785; **Red Crossbill,** 20 (S.H.L.); Eastern Towhee, 45; Savannah Sparrow, 224; **Sharp-tailed Sparrow,** 61; Slate-colored Junco, 784; Am. Tree Sparrow, 19; Field Sparrow, 165; **White-crowned Sparrow,** 5 (S.H.L., R.D.C., M.C.C.); **White-throated Sparrow,** 1970; Fox Sparrow, 26; Swamp Sparrow, 325; **Song Sparrow,** 701; Snow Bunting, 2. **Total,** 123 species; 24,393 individuals.—Elting Arnold, Ernest G. Baldwin, James Bates, Robert B. Bates, Charles L. Clagett, Richard D. Cole, Mary C. Crone, John V. Dennis, A. J. Fletcher, Roberta Fletcher, Marvin Hewitt, Naomi Hewitt, Seth H. Low, E. O. Mellinger, James E. Knudson, Chandler S. Robbins (compiler), John W. Richards, Wayne L. Sieck, Allen R. Stickley, Jr., John Terborgh, John E. Willoughby, Ken Wright.

142. Southern Dorchester County, Md. (Blackwater National Wildlife Refuge to Elliott Island; same area and habitats as in past 5 years).—Dec. 22; 6 a.m. to 6 p.m. Overcast; temp. 39° to 48°; wind NW, 10-20 m.p.h.; water open; no snow. Nineteen observers in 4 parties. Total party-hours, 61 (40 on foot, 18 by car, 3 by boat); total party-miles, 247 (57 on foot, 170 by car, 20 by boat). Horned Grebe, 6; Pied-billed Grebe, 17; Great Blue Heron, 22; Am. Egret, 8; Black-crowned Night Heron, 3; Am. Bittern, 1; Whistling Swan, 27; Canada Goose, 15,000 (±500); Blue Goose, 1; Mallard, 562; Black Duck, 1540; Gadwall, 170; Am. Widgeon, 450; Pintail, 3625; Green-winged Teal, 326; Shoveller, 20; Wood Duck, 1; Redhead, 90; **Ring-necked Duck,** 1715; Canvas-back, 112; scaup (sp.), 76; Am. Golden-eye, 40; Buffle-head, 11; Old-squaw, 5; White-winged Scoter, 50; Surf Scoter, 5; Am. Scoter, 1; Ruddy Duck, 111; Hooded Merganser, 13; Am. Merganser, 105; Turkey Vulture, 212; **Black Vulture,** 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 7; Rough-legged Hawk, 6; **Golden Eagle,** 1 (C.L.C., C.S.R.); **Bald Eagle,** 36; Marsh Hawk, 73; Sparrow Hawk, 8; Bob-white, 27; King Rail, 10; Virginia Rail, 8; Killdeer, 43; Am. Woodcock, 2; Wilson's Snipe, 7; Greater Yellow-legs, 2; Lesser Yellow-legs, 1; Great Black-backed Gull, 1; Herring Gull, 116; Ring-billed Gull, 339; **Laughing Gull,** 1; Mourning Dove, 38; Horned Owl, 11; Barred Owl, 2; Short-eared Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 18; Hairy Woodpecker, 2; Downy Woodpecker, 22; Eastern Phoebe, 1; Horned Lark, 4; Blue Jay, 3; Am. Crow, 479; Carolina Chickadee, 84; Tufted Titmouse, 23; **Brown-headed Nuthatch,** 77; Brown Creeper, 10; Winter Wren, 7; Carolina Wren, 21; Long-billed Marsh Wren, 9; Short-billed Marsh Wren, 42; Mockingbird, 9; Brown Thrasher, 1; Am. Robin, 620; Eastern Bluebird, 91; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 11; Water Pipit, 78; Loggerhead Shrike, 5; Common Starling, 359; Myrtle Warbler, 843; Pine Warbler, 1; Common Yellowthroat, 2; House Sparrow, 161; Eastern Meadowlark, 252; Red-winged Blackbird, 12,630; Rusty Blackbird, 13; Purple Grackle, 20; Brown-headed Cowbird, 53; Cardinal, 66; Pine Siskin, 32; Am. Goldfinch, 103; Eastern Towhee, 2; Savannah Sparrow, 26; Sharp-tailed Sparrow, 1; Vesper Sparrow, 7; Slate-colored Junco, 416; Am. Tree Sparrow, 2; Chipping Sparrow, 1; Field Sparrow, 27; White-throated Sparrow, 281; Fox Sparrow, 9; Swamp Sparrow, 213; Song Sparrow, 233. **Total,** 107 species; 42,525 individuals. (Seen during the period: Snow Goose, 1; Pileated Woodpecker, 2.) —Elting Arnold, Robert B. Bates, Charles L. Clagett, Richard D. Cole, Mary C. Crone, John V. Dennis,

Marvin Hewitt, James E. Knudson, Seth H. Low, John W. Richards, Chandler S. Robbins (compiler), Wayne L. Sieck, Robert E. Stewart, Allen R. Stickley, Jr., John Terborgh, Clark G. Webster, W. Steele Webster, John E. Willoughby, Ken Wright.

143. **Susquehanna Flats—Sassafras River, Md.** (same area as 1947-1951 but lack of ice permitted boat coverage of Susquehanna National Wildlife Refuge for the first time).—Dec. 27; 8 a.m. to 5:15 p.m. Clear in a.m. cloudy in p.m.; temp. 30° to 40°; wind NW, 15-25 m.p.h.; ground bare, not frozen; all water open. Eight observers in 2 parties. Total party-hours, 17 (5 on foot, 10 by car, 2 in boat); total party-miles, 138 (10 on foot, 120 by car, 8 by boat). Pied-billed Grebe, 1; Whistling Swan, 1373; Canada Goose, 3734; Black Duck, 1000; Am. Widgeon, 83; Redhead, 3; Ring-necked Duck, 9; **Canvas-back,** 91,000; scaup (sp.), 2000; Lesser Scaup, 18; Am. Golden-eye, 6; Buffle-head, 3; Am. Merganser, 16; Turkey Vulture, 42; Black Vulture, 3; Red-tailed Hawk, 16; Bald Eagle, 3; Marsh Hawk, 7; Sparrow Hawk, 12; Bob-white, 6; Am. Coot, 5460; Killdeer, 3; Wilson's Snipe, 3; Herring Gull, 97; Ring-billed Gull, 393; Mourning Dove, 32; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 28 (incl. 25 Northern); Blue Jay, 6; Am. Crow, 37; Fish Crow, 2; Black-capped Chickadee, 7; Carolina Chickadee, 8; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 8; Mockingbird, 10; Eastern Bluebird, 7; Golden-crowned Kinglet, 17; Common Starling, 30,000 (est.); House Sparrow, 64; Eastern Meadowlark, 38; Red-winged Blackbird, 700,000 (est.); Rusty Blackbird, 60; **Purple Grackle,** 350,000 (est.); **Brown-headed Cowbird,** 200,000 (est.); Cardinal, 49; Pine Siskin, 40; Am. Goldfinch, 15; Eastern Towhee, 1; Slate-colored Junco, 130; Am. Tree Sparrow, 14; Field Sparrow, 18; White-crowned Sparrow, 2; White-throated Sparrow, 35; Swamp Sparrow, 12; Song Sparrow, 38. **Total,** 63 species (1 additional subspecies); about 1,385,999 individuals. (1 Loggerhead Shrike seen one mile SE of census area.)—Edwin G. Davis (compiler), Carl Dianda, Larry Griffin, Oden Keen, Charles Mayhood, Robert E. Stewart, John W. Taylor, John Terborgh.

144. **Triadelphia Reservoir (Montgomery and Howard Counties), Md.** (same area and habitat percentages as in previous years).—Dec. 26; 5:35 a.m. to 6:20 p.m. Partly cloudy; temp. 36° to 45°; wind WNW, 10-20 m.p.h.; no snow; all water open. Twelve observers in 5 parties. Total party-hours, 46 (36 on foot, 10 by car); total party-miles, 242 (37 on foot, 205 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Canada Goose, 207; Mallard, 613; Black Duck, 532; Gadwall, 1; Am. Widgeon, 8; Green-winged Teal, 18; Ring-necked Duck, 6; Buffle-head, 1; Ruddy Duck, 1; Hooded Merganser, 5; Am. Merganser, 44; Turkey Vulture, 173; Black Vulture, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Marsh Hawk, 5; Sparrow Hawk, 34; Bob-white, 17; Am. Coot, 11; Killdeer, 80; Mourning Dove, 64; Screech Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 22; Eastern Phoebe, 1; Horned Lark, 25; Blue Jay, 73; Am. Crow, 417; Carolina Chickadee, 44; Tufted Titmouse, 20; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 4; Carolina Wren, 26; Mockingbird, 40; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 102; Golden-crowned Kinglet, 40; Loggerhead Shrike, 3; Common Starling, 4162; Myrtle Warbler, 5; Palm Warbler (Yellow), 1; House Sparrow, 274; Eastern Meadowlark, 81; Baltimore Oriole, 1 (C.S.R., J.B., A.R.S.); Brown-headed Cowbird, 2; Cardinal, 187; Purple Finch, 1; Common Redpoll, 1 (heard—J.B.); Pine Siskin, 81; Am. Goldfinch, 344; Eastern Towhee, 2; Slate-colored Junco, 1227; Am. Tree Sparrow, 200; Field Sparrow, 225; White-crowned Sparrow, 29; White-throated Sparrow, 283; Swamp Sparrow, 9; Song Sparrow, 151. **Total,** 68 species; 9980 individuals. (Seen during the week: Horned Grebe, 6; Purple Grackle, 2.)—James Baird, James V. Derby, John H. Fales, Jack Linehan, Seth H. Low (compiler), Seth T. Low, Donald Power, Chandler S. Robbins, Douglas Ross, Robert E. Stewart, Allen R. Stickley, Jr., John Thomen.

145. **Wicomico, Md.** (area same as in previous years).—Dec. 28; 7 a.m. to 5:30 p.m. Clear; temp. 32° to 42°; wind NW, 0-8 m.p.h. Ten observers in 4 parties. Total party-hours, 30 (26 on foot, 4 by car); total party-miles, 214 (29 on foot, 185 by car). Horned Grebe, 69; Pied-billed Grebe, 33; **Double-crested Cormorant,** 6; Great Blue Heron, 22; Black-crowned Night Heron, 2; Whistling Swan, 11; Mallard, 26; Black Duck, 363; Gadwall, 19; Am. Widgeon, 541; Pintail, 15; Wood Duck, 2; Redhead, 6; **Canvas-back,** 6881; Greater Scaup, 17; Lesser Scaup, 190; Am. Golden-eye, 61; Buffle-head, 12; Old-squaw, 1; Ruddy Duck, 1295; Hooded Merganser, 1; Am. Merganser, 6; Red-breasted Merganser, 2; Turkey Vulture, 259; Black Vulture, 62; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Bald Eagle, 7; Marsh Hawk, 13; Peregrine Falcon, 1; Sparrow Hawk, 3; Bob-white, 15; King Rail, 1; Virginia Rail, 1; Am. Coot, 16; Killdeer, 41; Wilson's Snipe, 41; Herring Gull, 143; Ring-billed Gull, 490; Mourning Dove, 5; Barn Owl, 1; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 45; Red-bellied Woodpecker, 56; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 24; Eastern Phoebe, 2; Horned Lark, 13 (both subsp.); Blue Jay, 22; Am. Crow, 291; Fish Crow, 7; Carolina Chickadee, 82; Tufted Titmouse, 22; Brown Creeper, 9; Winter Wren, 14; Carolina Wren, 54; Mockingbird, 36; Catbird, 13; Brown Thrasher, 20; Am. Robin, 54; Hermit Thrush, 39; Eastern Bluebird, 110; Golden-crowned Kinglet, 47; Ruby-crowned Kinglet, 2; Water Pipit, 30; Loggerhead

Shrike, 4; Common Starling, 341; Myrtle Warbler, 198; **Pine Warbler,** 2; Palm Warbler, 1; House Sparrow, 68; Eastern Meadowlark, 387; Red-winged Blackbird, 1124; Rusty Blackbird, 106; Purple Grackle, 23; Brown-headed Cowbird, 250; Cardinal, 108; Purple Finch, 20; Pine Siskin, 40; Am. Goldfinch, 154; Eastern Towhee, 73; Savannah Sparrow, 7; Vesper Sparrow, 2; Slate-colored Junco, 782; Am. Tree Sparrow, 23; Field Sparrow, 87; White-throated Sparrow, 783; Fox Sparrow, 5; Swamp Sparrow, 97; Song Sparrow, 196. **Total,** 93 species (1 additional subspecies); 16,267 individuals.—Dr. Edwin G. Davis, Willoughby Todd Davis, Carl Dianda, Larry Griffin, John Taylor (compiler), John Terborgh, Anne Terborgh, Richard Ward, Marjorie Zapf, Tom Zapf.

146. Washington, D. C. (area and habitats the same as in the past nine years).—Dec. 20; 5:30 a.m. to 4:30 p.m. Overcast in a.m., light rain and snow in early p.m.; temp. 32° to 42°; wind NE, 5-10 m.p.h.; water open. Seventy-three observers (70 in 27 parties plus 3 observers at feeding stations). Total party-hours, 167½ (146½ on foot, 15 by car, 6 by boat); total party-miles, 358 (127 on foot, 224 by car, 7 by boat). Horned Grebe, 15; Pied-billed Grebe, 3; Great Blue Heron, 10; Black-crowned Night Heron, 3; Canada Goose, 15; Mallard, 224; Black Duck, 1116; Am. Widgeon, 15; Pintail, 476; Green-winged Teal, 603; Shoveller, 20; Wood Duck, 2; Canvas-back, 5; Greater Scaup, 1; Lesser Scaup, 4; Am. Golden-eye, 1; Bufflehead, 36; Ruddy Duck, 75; Hooded Merganser, 2; Am. Merganser, 161; Turkey Vulture, 156; Black Vulture, 70; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 16; Red-shouldered Hawk, 19; Bald Eagle, 12; Osprey 1 (E.J.S., M.L.M.); Peregrine Falcon, 1; Sparrow Hawk, 21; Bob-white, 71; King Rail, 1 (J.T.); Am. Coot, 3; Killdeer, 295; Wilson's Snipe, 70; Lesser Yellowlegs, 4; Herring Gull, 468; Ring-billed Gull, 2587; Mourning Dove, 136; Screech Owl, 1; Horned Owl, 3; Barred Owl, 7; Belted Kingfisher, 10; Yellow-shafted Flicker, 112; Pileated Woodpecker, 4; Red-bellied Woodpecker, 58; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 21; Downy Woodpecker, 207; Eastern Phoebe, 3; Horned Lark (Prairie), 28; Blue Jay, 327; Am. Crow, 788; Fish Crow, 45; Carolina Chickadee, 495; Tufted Titmouse, 328; White-breasted Nuthatch, 139; Brown Creeper, 38; House Wren, 2 (F.H.S.); Winter Wren, 56; Carolina Wren, 172; Long-billed Marsh Wren, 3; Mockingbird, 230; Catbird, 2; Am. Robin, 17; Wood Thrush, 1 (K.B., I.R.B.); Hermit Thrush, 12; Eastern Bluebird, 94; Golden-crowned Kinglet, 105; Ruby-crowned Kinglet, 5; Cedar Waxwing, 20; Common Starling, 9085; Myrtle Warbler, 181; Palm Warbler, 2 (Yellow, 1; Western, 1 [J.T.]); House Sparrow, 813; Eastern Meadowlark, 33; Red-winged Blackbird, 581; Rusty Blackbird, 4; Brown-headed Cowbird, 21; Cardinal, 692; Purple Finch, 47; Pine Siskin, 128; Am. Goldfinch, 583; Eastern Towhee, 31; Vesper Sparrow, 1; Slate-colored Junco, 2124; Am. Tree Sparrow, 230; Field Sparrow, 192; White-crowned Sparrow, 4; White-throated Sparrow, 1158; Fox Sparrow, 31; Swamp Sparrow, 103; Song Sparrow, 552. **Total,** 94 species (1 additional subspecies); 26,664 individuals. One Osprey was observed at 7:30 a.m. below Alexandria, Va., and the same or quite possibly a different individual at 3 p.m. from the C&O Canal towpath in Maryland, about 11 miles away. The King Rail had been observed in the same area where seen on several previous dates.—J. M. Abbott, J. Alexander, E. Arnold, S. S. Baker, I. R. Barnes, L. T. Berry, John Boyd, Dr. & Mrs. K. Burden, R. Caswell, V. Daiker, E. G. Davis, W. L. del Grande, A. DiMaggio, Paul DuMont, Philip A. DuMont, R. Farr, Arthur Fast, A. Fox, P. Gilmore, M. T. Goldsmith, T. Goldsmith, Mr. & Mrs. W. B. Grautoff, L. Griffin, E. Hall, E. J. Hayward, G. Hyatt, E. Hunt, J. E. Johnson, R. Kerr, E. Knudson, U. Kojimo, Mary H. Martin, Dr. & Mrs. M. H. Martin, H. J. K. Merritt, M. L. Morgan, I. Niles, K. Niles, D. Pierce, D. Powers, E. Rogers, D. Ross, Mrs. Delbert Ruch, Mr. & Mrs. F. H. Sacksteder, P. Scheid, C. K. Schoenbauer, A. Sibley, G. H. Sigel, C. C. Slusher, H. B. Stabler, K. Stecher, E. J. Stivers, R. Strosnider, H. Sutton (compiler), A. Terborgh, J. Terborgh, Dr. & Mrs. Richard Tousey, K. L. Trever, H. C. Tucker, D. W. West, Wm. White, J. E. Willoughby, M. Wilson, A. Worischek, Mr. & Mrs. T. L. Zapf (Audubon Society of the District of Columbia).

147. Abingdon, Va. (same area as last year; farm land and pastures 30%, deciduous woodland 15%, mixed pine and deciduous woodland 20%, marsh and creek bottoms 20%, lake 15%).—Dec. 27; 6:45 a.m. to 5:50 p.m. Cloudy, clearing in p.m.; temp. 26° to 38°; wind SW to W, 5-20 m.p.h.; lake and streams free of ice, no snow, marshes partially frozen. One observer. Total hours, 10½ (9¾ on foot, ¾ by car); total miles, 16 (9 on foot, 7 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 29; Hooded Merganser, 2; Turkey Vulture, 50; Black Vulture, 21; Cooper's Hawk, 1; Sparrow Hawk, 3; Sora, 1 (heard in cattail marsh where seen in previous winters); Killdeer, 13; Wilson's Snipe, 1; Mourning Dove, 33; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 2; Horned Lark, 21; Blue Jay, 11; Am. Crow, 35; Carolina Chickadee, 29; Tufted Titmouse, 11; White-breasted Nuthatch, 3; Carolina Wren, 20; Mockingbird, 7; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Loggerhead Shrike, 1; Common Starling, 3900 (3700±100, 200); House Sparrow, 44; Eastern Meadowlark, 10; Red-winged Blackbird, 30; Cardinal, 28; Am. Goldfinch, 33; Eastern Towhee, 2; Slate-colored Junco, 75; Field Sparrow, 65; White-crowned Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 43. **Total,** 44 species; about 4560 individuals.—Stephen M. Russell.

148. Back Bay National Wildlife Refuge, Va. (same area as in previous years, refuge area and much of mainland Princess Anne County; open farmland 20%, pine woodland 10%, deciduous woodland 20%, ocean beach 5%, marshes and inland bay 45%).—Dec. 27; 7 a.m. to 5 p.m. Partly cloudy until noon, then clear; temp. 38° to 56°; wind ENE to W, 8-10 m.p.h.; ground bare. Eleven observers in 2 parties. Total party-hours, 20 (16 on foot, 2 by car, 2 by motorboat); total party-miles, 135 (22 on foot, 110 by car, 3 by boat). Common Loon, 6; Horned Grebe, 2; Pied-billed Grebe, 6; Great Blue Heron, 12; Am. Egret, 1; Am. Bittern, 1; Whistling Swan, 2500 (est.); Canada Goose, 5000 (est.); Snow Goose, 4000 (est.); Blue Goose, 7; Mallard, 75; Black Duck, 400; Am. Widgeon, 20,000 (est.); Pintail, 1000 (est.); Green-winged Teal, 10; Shoveller, 5; Redhead, 1000 (est.); Ring-necked Duck, 300; Canvas-back, 15; Lesser Scaup, 2; Am. Golden-eye, 3; Buffle-head, 24; White-winged Scoter, 2; Surf Scoter, 17; Am. Scoter, 13; Ruddy Duck, 200; Am. Merganser, 5; Red-breasted Merganser, 2; Turkey Vulture, 30; Black Vulture, 13; Red-tailed Hawk, 6; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 6; Marsh Hawk, 17; Pigeon Hawk, 2; Sparrow Hawk, 12; Bob-white, 8; King Rail, 1; Virginia Rail, 1; Am. Coot, 40,000 (est.); Killdeer, 41; Black-bellied Plover, 9; Spotted Sandpiper, 2 [no details—Ed.]; Sanderling, 50; Great Black-backed Gull, 13; Herring Gull, 50; Ring-billed Gull, 55; Bonaparte's Gull, 8; Mourning Dove, 35; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Eastern Phoebe, 6; Horned Lark, 35; Blue Jay, 3; Am. Crow, 97; Fish Crow, 8; Carolina Chickadee, 27; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 9; Brown Creeper, 2; House Wren, 5; Winter Wren, 6; Carolina Wren, 23; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 12; Mockingbird, 20; Catbird, 13; Brown Thrasher, 2; Am. Robin, 125; Hermit Thrush, 12; Eastern Bluebird, 41; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 7; Water Pipit, 80; Loggerhead Shrike, 1; Common Starling, 124; Myrtle Warbler, 500; Pine Warbler, 4; Palm Warbler, 1; Common Yellowthroat, 3; House Sparrow, 48; Eastern Meadowlark, 38; Red-winged Blackbird, 1100; Purple Grackle, 35; Brown-headed Cowbird, 220; Cardinal, 32; Purple Finch, 3; Pine Siskin, 8; Am. Goldfinch, 15; Eastern Towhee, 18; Savannah Sparrow, 17; Slate-colored Junco, 57; Am. Tree Sparrow, 6; Chipping Sparrow, 6; Field Sparrow, 54; White-throated Sparrow, 70; Fox Sparrow, 3; Swamp Sparrow, 73; Song Sparrow, 92. **Total,** 108 species; about 78,102 individuals. (Collected in area Jan. 3, Black-legged Kittiwake, 1.)—Cooper Barefield, Eddie Budnick, Mrs. Floy Burford (compiler), Carl Hacker, Chas. Hacker, Dorothy Perkins, Jack Perkins, W. F. Rountrey, Frank Shields, Walter Smith, Bagley Walker.

149. Blacksburg (Montgomery Co.), Va. (V.P.I. campus and farm, town and area one mile to east and north, Brush Mt. and Tom's Creek to Whitethorne Station, New River from Goodwin's Ferry to mouth of Strouble Creek, Strouble Creek; pasture and plowed land 20%, town and suburbs 10%, virgin white oak woodlots 20%, mixed pine and oak woods 20%, river and creek bottom 30%).—Dec. 27; 6:30 a.m. to 6 p.m. Overcast to clear; temp. 14° to 18°; wind W, 20-35 m.p.h.; ground bare. Twelve observers in 7 parties. Total party-hours, 48½ (46½ on foot, 2 by car); total party-miles, 74 (44 on foot, 30 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Mallard, 88; Black Duck, 33; Gadwall, 14; Am. Widgeon, 67; Pintail, 16; Shoveller, 1; Redhead, 17; Lesser Scaup, 103; Am. Golden-eye, 28; Turkey Vulture, 14; Black Vulture, 8; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 1; Bob-white, 15 (1 full covey, 2 singles); Killdeer, 3; Wilson's Snipe, 2; Mourning Dove, 1; Barred Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 18; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 19; Eastern Phoebe, 2; Horned Lark (Prairie), 213; Blue Jay, 13; Am. Crow, 1010; Black-capped Chickadee, 3 (C.O.H.); Carolina Chickadee, 74; Tufted Titmouse, 62; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 12; Carolina Wren, 22; Mockingbird, 18; Am. Robin, 14; Hermit Thrush, 4; Eastern Bluebird, 58; Golden-crowned Kinglet, 22; Cedar Waxwing, 10; Loggerhead Shrike, 2; Common Starling, 498; Myrtle Warbler, 2; Palm Warbler, 1 (G.M.S.); House Sparrow, 152; Eastern Meadowlark, 32; Cardinal, 164; Pine Siskin, 1; Am. Goldfinch, 166; Savannah Sparrow, 1 (J.M.H.); Slate-colored Junco, 244; Am. Tree Sparrow, 34; Field Sparrow, 127; White-crowned Sparrow, 34; White-throated Sparrow, 18; Fox Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 61. **Total,** 65 species; about 3582 individuals.—John Cooper, A. L. Dean, M. G. Hale, C. O. Handley, Sr., John M. Handley, H. S. Mosby, C. W. Roane, G. M. Shear, Allan Smyth, Mr. & Mrs. E. A. Smyth, R. J. Watson.

150. Brooke, Va. (triangular area with Brooke, Widewater, and mouth of Potomac Creek at the 3 apices; waterfront 25%, marsh 3%, fields 10%, hedgerows 25%, mixed forest edge 15%, slash 5%, deciduous woods 10%, pine woods 7%).—Dec. 22; 7:35 a.m. to 4:40 p.m. Heavy clouds, unbroken; temp. 42° to 43°; wind N, up to 25 m.p.h.; subsiding in p.m.; ground bare; water open, Potomac River very rough but tidal creeks more sheltered. Five observers in 4 parties. Total party-hours, 31; total party-miles, 27 (on foot). Common Loon, 1; Pied-billed Grebe, 6; Great Blue Heron, 12; Whistling Swan, 150; Canada Goose, 90; Mallard, 80; Black Duck, 300; Am. Widgeon, 21; Pintail, 9; Green-winged Teal, 2; Canvas-back, 14; Am. Golden-eye, 8; Buffle-head, 10; Ruddy Duck, 3;

Am. Merganser, 27; Red-breasted Merganser, 3; Turkey Vulture, 12; Bald Eagle, 6; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 1; Killdeer, 25; Herring Gull, 150; Ring-billed Gull, 85; Mourning Dove, 6; Belted Kingfisher, 4; Yellow-shafted Flicker, 7; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 18; Hairy Woodpecker, 1; Downy Woodpecker, 15; Eastern Phoebe, 1; Blue Jay, 2; Am. Crow, 135; Fish Crow, 60; Carolina Chickadee, 50; Tufted Titmouse, 40; Brown Creeper, 4; Winter Wren, 3; Carolina Wren, 45; Mockingbird, 13; Am. Robin, 50; Hermit Thrush, 16; Eastern Bluebird, 7; Golden-crowned Kinglet, 30; Ruby-crowned Kinglet, 7; Cedar Waxwing, 215; Common Starling, 45; Myrtle Warbler, 40; **Black-capped Warbler,** 1 ♀ or immature (observed on wire fence at 15 ft. through 8x binoculars and complete description obtained; rich yellow of underparts extended into side of head, superciliary, and forehead, sharply contrasting with darker crown; previously seen and identified on Dec. 14—R.S.C., T.B.N.); House Sparrow, 10; Eastern Meadowlark, 55; Red-winged Blackbird, 110; Cardinal, 50; Purple Finch, 2; Pine Siskin, 20; Am. Goldfinch, 115; Eastern Towhee, 6; Savannah Sparrow, 1; Slate-colored Junco, 350; Am. Tree Sparrow, 135; Field Sparrow, 125; White-throated Sparrow, 210; Fox Sparrow, 2; Swamp Sparrow, 16; Song Sparrow, 150. **Total,** 67 species; about 3204 individuals.—A. A. Baker, R. S. Cannon, Jr., Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

151. Cape Charles, Va. (town of Cape Charles, area west of Cheriton, and Oyster south to Kiptopeke and Fort Custis; open farmland 25%, pine and deciduous woodland 20%, bayberry thickets 5%, salt marshes and mud flats 35%, bay beach 15%).—Dec. 28; 7:30 a.m. to 5:15 p.m. Partly cloudy with snow flurries, clearing in p.m.; temp. 22° to 32°; wind N, 8-30 m.p.h.; ground bare, sheltered ponds and estuaries lightly frozen. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 58 (8 on foot, 50 by car). Common Loon, 2; Horned Grebe, 7; Great Blue Heron, 10; Am. Egret, 1; Canada Goose, 43; Mallard, 9; Black Duck, 2; Am. Widgeon, 17; scaup (sp.), 10 (including 5 Lesser); Old-squaw, 2; White-winged Scoter, 5; Surf Scoter, 60; Am. Scoter, 7; Ruddy Duck, 10; Red-breasted Merganser, 1; Turkey Vulture, 173; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 4; **Ringed Plover,** 5; Killdeer, 42; Black-bellied Plover, 1; Red-backed Sandpiper, 140; Western Sandpiper, 6; Sanderling, 18; Great Black-backed Gull, 7; Herring Gull, 757 (700 est., 57); Ring-billed Gull, 580 (300 est., 280); Bonaparte's Gull, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Am. Crow, 37; Fish Crow, 35; Carolina Chickadee, 8; Brown-headed Nuthatch, 9; Brown Creeper, 1; Carolina Wren, 7; Mockingbird, 1; Am. Robin, 4; Eastern Bluebird, 6; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 1; Common Starling, 450 (est.); Myrtle Warbler, 236; House Sparrow, 26; Eastern Meadowlark, 99; Red-winged Blackbird, 30; Boat-tailed Grackle, 9; Brown-headed Cowbird, 150 (est.); Cardinal, 9; Pine Siskin, 8; Am. Goldfinch, 1; Savannah Sparrow, 4; Sharp-tailed Sparrow, 4; Vesper Sparrow, 3; Slate-colored Junco, 13; **Chipping Sparrow,** 40 (1 flock); Field Sparrow, 5; White-throated Sparrow, 18; Fox Sparrow, 20; Swamp Sparrow, 28; Song Sparrow, 20. **Total,** 66 species; about 3117 individuals. The wind kept most small birds under cover.—F. R. Scott.

152. Charlottesville, Va. (Henley's, Whitehall, Albemarle, Bellair, Thraves, city reservoir, woolen mills, 9 miles along Rivanna and South Rivanna from Burnt Mills to town; same area as last year with addition of city reservoir; farmland 30%, lakes and ponds 25%, riverbottom 25%, deciduous woods 15%, pine woods 5%).—Dec. 21; 6:30 a.m. to 4:45 p.m. Overcast at start, with light rain ending in morning; partially clear by mid-afternoon; temp. 38° to 54°; wind none at start, NW 5-10 m.p.h. at finish; ground bare; ponds unfrozen. Five observers in 3 parties. Total party-hours, 19 (13 on foot, 6 by car); total party-miles, 57 (16 on foot, 41 by car). Horned Grebe, 1; Great Blue Heron, 2; Mallard, 120 (est.); Black Duck, 42 (40 est., 2); Turkey Vulture, 10; Cooper's Hawk, 3; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 6 (1 covey); Mourning Dove, 183; Belted Kingfisher, 2; Yellow-shafted Flicker, 18; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 20; Eastern Phoebe, 11; Horned Lark, 25; Blue Jay, 24; Am. Crow, 720 (580 est., 140); Fish Crow, 4; Carolina Chickadee, 60; Tufted Titmouse, 23; White-breasted Nuthatch, 2; Winter Wren, 10; Carolina Wren, 46; Mockingbird, 21; Hermit Thrush, 4; Eastern Bluebird, 16; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 5; Common Starling, 426 (275 est., 151); Myrtle Warbler, 13; House Sparrow, 32; Eastern Meadowlark, 40; Brown-headed Cowbird, 5; Cardinal, 119; Purple Finch, 27; Pine Siskin, 3; Am. Goldfinch, 203 (160 est., 43); Eastern Towhee, 5; Slate-colored Junco, 299; Am. Tree Sparrow, 9; Field Sparrow, 101; White-crowned Sparrow, 9; White-throated Sparrow, 139; Fox Sparrow, 7; Swamp Sparrow, 7; Song Sparrow, 112. **Total,** 52 species; about 2999 individuals. —Mrs. Colgate W. Darden, Jr., Mrs. Charles Gregory, David Gregory, Kenneth Lawless, Robert J. Watson (compiler).

153. Chincoteague National Wildlife Refuge, Va. (Assateague Island south of Maryland line, Chincoteague Causeway, Wattsville, Horntown, Sinnickson; open farmland 3%, pine and deciduous woodland 10%, bayberry and scrub Loblolly Pine thickets 20%, shallow fresh-water pools 17%, salt marshes and bay shores 35%, ocean beach and mud flats 15%).—Dec. 27; 6:45 a.m. to 5 p.m. Fair; temp. 28° to 44°; wind N to NW, 2-10 m.p.h.; ground bare, all water open. Four observers in 2 parties. Total party-hours, 19 (16 on foot, 2 by

car, 1 in motorboat); total party-miles, 80 (20 on foot, 57 by car, 3 by boat). Common Loon, 6; Red-throated Loon, 9; Red-necked Grebe, 1; Horned Grebe, 88; Pied-billed Grebe, 6; Great Blue Heron, 15; Am. Bittern, 1; Canada Goose, 633 (600 est., 33); Am. Brant, 3000 (est.); Mallard, 25; Black Duck, 3485 (3300 est., 185); Gadwall, 100 (est.); Am. Widgeon, 375 (est.); Pintail, 1600 (est.); Green-winged Teal, 475 (est.); Shoveller, 410 (400 est., 10); Am. Golden-eye, 1; Buffle-head, 10; White-winged Scoter, 162; Surf Scoter, 229; Am. Scoter, 15; unidentified scoters, 80 (est.); Ruddy Duck, 22; Hooded Merganser, 2; Red-breasted Merganser, 10; Turkey Vulture, 96; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 11; Sparrow Hawk, 3; Clapper Rail, 7; Am. Coot, 28; Killdeer, 42; Black-bellied Plover, 10; Wilson's Snipe, 1; Greater Yellow-legs, 2; Red-backed Sandpiper, 129; Sanderling, 20; Great Black-backed Gull, 4; Herring Gull, 221; Ring-billed Gull, 390; Mourning Dove, 6; Belted Kingfisher, 4; Yellow-shafted Flicker, 26; Horned Lark, 5 (including 2 Northern); Am. Crow, 1275 (1150 est., 125); Fish Crow, 4; Carolina Chickadee, 1; Tufted Titmouse, 2; Brown Creeper, 1; **House Wren,** 1 (F.R.S.); Winter Wren, 1; Carolina Wren, 13; Short-billed Marsh Wren, 1; Catbird, 11; Am. Robin, 26; Hermit Thrush, 1; Water Pipit, 150 (est.); Common Starling, 259 (200 est., 59); Myrtle Warbler, 644; House Sparrow, 6; Eastern Meadowlark, 69; Red-winged Blackbird, 68; Boat-tailed Grackle, 22; Brown-headed Cowbird, 20; Cardinal, 12; Pine Siskin, 106; Am. Goldfinch, 25; Eastern Towhee, 7; Ipswich Sparrow, 1; Savannah Sparrow, 24; Sharp-tailed Sparrow, 4; Slate-colored Junco, 6; Field Sparrow, 8; White-throated Sparrow, 12; Swamp Sparrow, 26; Song Sparrow, 60. **Total,** 78 species; about 14,536 individuals. Many generally common species were scarce or absent on Assateague Island where most of the field work was done.—R. J. Beasley, J. R. Hughes, E. O. Mellinger, F. R. Scott.

154. Fort Belvoir, Va. (same as last year, with addition of Mount Vernon and Mason's Neck peninsula, including Little Hunting Creek and Occoquan Creek on the Virginia side of the Potomac River and that part of Maryland between Marshall Hall—Mattawoman Creek and Indian Head on the Maryland side of the river).—Dec. 28; 6 a.m. to 5 p.m. Overcast in a.m., clearing at noon; temp. 22° to 32°; wind NW, 3-27 m.p.h.; ground bare; river and inlets ice free but skim ice on streams and small ponds. Twenty observers in 6 parties. Total party-hours, 53½ (40½ on foot, 13 by car); total party-miles, 184½ (32½ on foot, 152 by car). Great Blue Heron, 6; Black-crowned Night Heron, 1; Canada Goose, 260; Mallard, 7; Black Duck, 512; Green-winged Teal, 8; Lesser Scaup, 1; Buffle-head, 32; Ruddy Duck, 43; Am. Merganser, 87; Red-breasted Merganser, 1; Turkey Vulture, 130; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 13; Red-shouldered Hawk, 6; Bald Eagle, 31; Marsh Hawk, 5; Sparrow Hawk, 6; Bob-white, 17 (2 coveys); Killdeer, 52; Wilson's Snipe, 1; Herring Gull, 266; Ring-billed Gull, 570; Laughing Gull, 1; Mourning Dove, 101; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 36; Pileated Woodpecker, 6; Red-bellied Woodpecker, 35; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 34; Eastern Phoebe, 1; Horned Lark (Prairie), 5; Blue Jay, 60; Am. Crow, 426; Fish Crow, 1; Carolina Chickadee, 90; Tufted Titmouse, 77; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 2; Brown Creeper, 21; Winter Wren, 3; **House Wren,** 2 (S.A.B.); Carolina Wren, 63; Long-billed Marsh Wren, 13; Mockingbird, 47; Am. Robin, 17; Hermit Thrush, 2; Eastern Bluebird, 73; Golden-crowned Kinglet, 141; Ruby-crowned Kinglet, 3; Common Starling, 1527; Myrtle Warbler, 59; Palm Warbler (Western), 1; Common Yellow-throat, 1; House Sparrow, 70; Eastern Meadowlark, 36; Red-winged Blackbird, 112; Rusty Blackbird, 92; Brown-headed Cowbird, 16; Cardinal, 93; Purple Finch, 1; Pine Siskin, 183 (8 flocks); Am. Goldfinch, 209; Eastern Towhee, 12; Savannah Sparrow, 1; Slate-colored Junco, 865; Am. Tree Sparrow, 131; Field Sparrow, 96; White-crowned Sparrow, 4; White-throated Sparrow, 201; Swamp Sparrow, 23; Song Sparrow, 100. **Total,** 79 species; 7214 individuals. (A thrush, believed to be a Gray-cheeked, was watched for several minutes by Mr. I. C. Hoover who described it as all olive-brown above, no reddish on the tail or elsewhere, no buffy color around the face, and small black spots on the chest.)—J. M. Abbott (compiler), P. Bartsch, S. A. Briggs, P. A. DuMont, P. G. DuMont, M. Gilbert, E. Hall, E. J. Hayward, Mr. & Mrs. I. C. Hoover, J. E. Johnson, C. N. Mason, W. P. Mull, D. Pierce, F. H. Stacksteder, G. Sigel, H. A. Sutton, Mr. & Mrs. R. Tousey, C. C. Wall.

155. Lexington, Va. (same as last year).—Dec. 23; 7 a.m. to 5 p.m. Overcast; temp. 40° to 42°; no wind; ground clear, not frozen; streams and ponds open. Eight observers in 3 parties. Total party-hours, 27 (24 on foot, 3 by car); total party-miles, 104 (24 on foot, 80 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 6; Black Duck, 8; Ring-necked Duck, 1; Turkey Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 5; Bob-white, 6; Killdeer, 1; Am. Woodcock, 1; Wilson's Snipe, 4; Mourning Dove, 10; Screech Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Pileated Woodpecker, 9; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 21; Eastern Phoebe, 3; Horned Lark, 14; Blue Jay, 23; Common Raven, 2; Am. Crow, 443; Black-capped Chickadee, 2; Carolina Chickadee, 83; Tufted Titmouse, 24; White-breasted Nuthatch, 9; Brown Creeper, 2; Winter Wren, 3; Carolina Wren, 26; House Wren, 1 (first winter record for area; closely observed by Paxton and Owen); Mockingbird, 29; Hermit Thrush, 3; Eastern Bluebird,

20; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 1; Cedar Waxwing, 16; Loggerhead Shrike, 5; Common Starling, 539; Myrtle Warbler, 26; House Sparrow, 77; Eastern Meadowlark, 31; Rusty Blackbird, 1; Cardinal, 148; Purple Finch, 7; Am. Goldfinch, 75; Eastern Towhee, 2; Slate-colored Junco, 268; Am. Tree Sparrow, 51; Field Sparrow, 40; White-crowned Sparrow, 15; White-throated Sparrow, 150; Song Sparrow, 49. **Total,** 58 species; 2329 individuals. (Canada Goose seen on Dec. 22).—R. P. Carroll, David Foster, Jack Lackmann, Brooke Mallory, Jr., J. J. Murray (compiler), J. J. Murray, Jr., Jan W. Owen, Robert O. Paxton.

156. Mt. Rogers, Va. (area same as last 2 years; elevation range 4400 to 5719 ft.; deciduous forest 40%, grassy fields 32%, spruce-fir forest 28%).—Dec. 28; 6:45 a.m. to 5:10 p.m. Clear; temp. 11° to 26°; wind NW to W, 0-12 m.p.h.; no snow below 5200 ft., about 3-in. hard crusted snow on top; streams partially frozen over. Two observers in 2 parties. Total party-hours, 19½; total party-miles, 25 (on foot). Ruffed Grouse, 18; Hairy Woodpecker, 7; Downy Woodpecker, 12; Common Raven, 4; Am. Crow, 7; chickadee (sp.), 6; Tufted Titmouse, 6; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 36; Am. Robin, 1; Golden-crowned Kinglet, 2; Purple Finch, 27; Pine Siskin, 68; Am. Goldfinch, 1; Red Crossbill, 1; Slate-colored Junco, 33; Snow Bunting, 2 (pair observed closely in rocky grassy field at 5100 ft. on Briar Ridge, large amount of white in wings and typical call note were noted by observer familiar with species—S.M.R.). **Total,** 17 species; 236 individuals.—Fred W. Behrend, Stephen M. Russell.

157. Newport News, Va. (Newport News to Harwood's Mill Reservoir and James River to Buckroe Beach; shoreline 25%, woodland 50%, open fields 25%).—Dec. 28; 6:30 a.m. to 2 p.m. Clear; temp. 23° to 40°; wind NE, under 10 m.p.h. Eight observers in 2 parties. Total party-hours 58; total party-miles 104 (19 afoot, 85 by car). Red-throated Loon, 1; Horned Grebe, 3; Pied-billed Grebe, 14; Great Blue Heron, 7; Canada Goose, 23; Mallard, 21; Black Duck, 42; Gadwall, 21; Am. Widgeon, 135 (100 est., 35); Wood Duck, 6; Ring-necked Duck, 26; Greater Scaup, 8; Lesser Scaup Duck, 34; Am. Golden-eye, 2; Buffle-head, 21; Am. Scoter, 2; Ruddy Duck, 61; Hooded Merganser, 5; Am. Merganser, 2; Turkey Vulture, 11; Black Duck, 2; Bald Eagle, 6; Marsh Hawk, 1; Sparrow Hawk, 2; Killdeer, 43; Purple Sandpiper, 2 (R. Glassel); Sanderling, 17; Herring Gull, 200 (est.); Ring-billed Gull, 6; Forster's Tern, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 7; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Downy Woodpecker, 6; Eastern Phoebe, 2; Am. Crow, 36; Fish Crow, 4; Carolina Chickadee, 15; Tufted Titmouse, 17; White-breasted Nuthatch, 2; Brown Creeper, 3; House Wren, 1; Winter Wren, 3; Carolina Wren, 11; Mockingbird, 7; Catbird, 1; Brown Thrasher, 4; Am. Robin, 15; Hermit Thrush, 7; Eastern Bluebird, 30; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 3; Common Starling, 170 (est.); Myrtle Warbler, 225 (est.); Pine Warbler, 1; House Sparrow, 60 (est.); Eastern Meadowlark, 78; Purple Grackle, 1; Cardinal, 5; Pine Siskin, 13; Am. Goldfinch, 25; Red-eyed Towhee, 9; Savannah Sparrow, 6; Slate-colored Junco, 58; Field Sparrow, 39; White-throated Sparrow, 20; Fox Sparrow, 6; Swamp Sparrow, 5; Song Sparrow, 14. **Total,** 71 species; 1557 individuals.—Ray J. Beasley, Raymond Glassel, Chas. W. Hacker, M. E. Hathaway, Norman Pope, Inez Olson, Roland Olson, Walter P. Smith (Hampton Roads Bird Club).

158. Richmond, Va. (same area as in previous years, Richmond southeast to Curles Neck; open farmland 35%, pine woodland 20%, deciduous woodland 25%, residential districts 3%, marshes and river shore 8%, brushy fields 9%).—Dec. 20; 7 a.m. to 5 p.m. Heavily overcast with light, intermittent rain; temp. 36° to 44°; wind ENE, 2-10 m.p.h.; ground bare, water open. Four observers in 2 parties. Total party-hours, 18 (16 on foot, 2 by car); total party-miles, 88 (8 on foot, 80 by car). Pied-billed Grebe, 7; Great Blue Heron, 4; Canada Goose, 4497 (4000 est., 497); Blue Goose, 1; Mallard, 95; Black Duck, 8; Am. Widgeon, 28; Pintail, 11; Ring-necked Duck, 95; Ruddy Duck, 14; Am. Merganser, 1; Turkey Vulture, 8; Black Vulture, 10; Cooper's Hawk, 1; Red-shouldered Hawk, 5; Bald Eagle, 4; Sparrow Hawk, 8; Bobwhite, 10; Am. Coot, 116; Killdeer, 14; Herring Gull, 10; Ring-billed Gull, 748; Mourning Dove, 32; Belted Kingfisher, 4; Yellow-shafted Flicker, 29; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 8; Downy Woodpecker, 16; Eastern Phoebe, 9; Blue Jay, 17; Am. Crow, 172; Carolina Chickadee, 34; Tufted Titmouse, 26; White-breasted Nuthatch, 13; Brown Creeper, 9; Winter Wren, 1; Carolina Wren, 56; Mockingbird, 29; Brown Thrasher, 1; Am. Robin, 72; Hermit Thrush, 27; Eastern Bluebird, 47; Golden-crowned Kinglet, 40; Ruby-crowned Kinglet, 7; Water Pipit, 7; Cedar Waxwing, 420 (est.); Loggerhead Shrike, 8; Common Starling, 1054 (1000 est., 54); Myrtle Warbler, 38; House Sparrow, 35; Eastern Meadowlark, 82; Red-winged Blackbird, 172; Brown-headed Cowbird, 850 (est.); Cardinal, 76; Purple Finch, 6; **Pine Siskin,** 94; Am. Goldfinch, 31; Eastern Towhee, 15; Slate-colored Junco, 133; Field Sparrow, 21; White-throated Sparrow, 308; Fox Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 66. **Total,** 67 species; about 9792 individuals. (Seen in area Dec. 24: Lesser Scaup, 9.)—Mr. and Mrs. F. R. Scott, C. E. Smith, R. J. Watson.

159. Shenandoah National Park, Va. (7½-mile radius centering on Skyland and including Park Hq. area, U. S. Rt. 211 from west Park boundary to Thornton Gap area, Skyline Drive to Big Meadows, Rapidan Road to Hoover Camp, and the Limberlost area; deciduous woods 60%, semi-

open fields, and old house sites 25%, hemlock woods 10%, pine woods 5%).—Dec. 26; 7:10 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind SW, 0-8 m.p.h.; ground bare. Three observers in 1-3 parties. Total party-hours, 9½ (5½ on foot, 4 by car); total party-miles, 87½ (3½ on foot, 84 by car). Turkey Vulture, 43; Black Vulture, 4; Red-tailed Hawk, 2; Ruffed Grouse, 1; Wilson's Snipe, 1 (P.G.F.); Downy Woodpecker, 3; Blue Jay, 6; Comon Raven, 5; Am. Crow, 28; Carolina Chickadee, 11; Tufted Titmouse, 9; Red-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 3; Am. Robin, 3; Hermit Thrush, 3; Golden-crowned Kinglet, 9; Cedar Waxwing, 2; Common Starling, 9; Myrtle Warbler, 2; House Sparrow, 16; Cardinal, 14; Purple Finch, 31; Pine Siskin, 9; Am. Goldfinch, 25; Slate-colored Junco, 55; Field Sparrow, 7; White-throated Sparrow, 32; Song Sparrow, 3. **Total,** 30 species; 342 individuals.—Paul G. Favour, Jr. (compiler), James E. Liles, Maurice Sullivan.

160. Surry, Va. (south side of James River from Scotland to Rushmere, including Hog Island State Wildlife Refuge, Surry and Bacons Castle; open farmland 15%, pine woodland 30%, deciduous woodland 20%, marshes and river shore 35%).—Dec. 22; 7 a.m. to 5 p.m. Overcast; temp. 40° to 45°; wind NNE, 5-20 m.p.h.; ground bare, water open. Four observers in 2 parties. Total party-hours, 19 (17 on foot, 2 by car); total party-miles, 102 (12 on foot, 90 by car). Great Blue Heron, 7; Canada Goose, 750 (est.); Blue Goose, 1; Mallard, 46; Black Duck, 74; Canvas-back, 1700 (est.); scaup (sp.), 7; Am. Golden-eye 10; Bufflehead, 1; Ruddy Duck, 1193 (550 est., 643); Am. Merganser, 47; Red-breasted Merganser, 5; Turkey Vulture, 46; Black Vulture, 10; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Bald Eagle, 6; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 8; Killdeer, 20; Wilson's Snipe, 1; Herring Gull, 17; Ring-billed Gull, 104; Mourning Dove, 18; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 15; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 16; Eastern Phoebe, 4; Blue Jay, 9; Am. Crow, 131; Carolina Chickadee, 28; Tufted Titmouse, 11; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 10; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 24; Mockingbird, 12; Catbird, 2; Brown Thrasher, 2; Am. Robin, 311 (300 est., 11); Hermit Thrush, 5; Eastern Bluebird, 11; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Common Starling, 800 (est.); Myrtle Warbler, 172; Pine Warbler, 3; House Sparrow, 2; Eastern Meadowlark, 1; **Red-winged Blackbird,** 170,000 (est.); Rusty Blackbird, 4; **Purple Grackle,** 30,000 (est.); **Brown-headed Cowbird,** 10,000 (est.); Cardinal, 66; Purple Finch, 2; Pine Siskin, 19; Am. Goldfinch, 7; Eastern Towhee, 29; Slate-colored Junco, 92; Field Sparrow, 8; White-throated Sparrow, 109; Fox Sparrow, 10; Swamp Sparrow, 10; Song Sparrow, 66. **Total,** 74 species; about 216,124 individuals. The wind kept the small birds very quiet and many of the ducks on the north side of the river out of the census area.—J. H. Grey, Jr., R. B. McCartney, F. R. Scott, C. C. Steirly.

161. Yorktown, Va. (same area as in previous years; open farmland 20%, pine woodland 22%, deciduous woodland 18%, marshes and river shore 40%).—Dec. 23; 7 a.m. to 5 p.m. Partly cloudy to overcast; temp. 34° to 50°; wind NNW, 0-5 m.p.h.; ground bare, water open. Three observers in 2 parties. Total party-hours, 19 (17 on foot, 2 by car); total party-miles, 74 (9 on foot, 65 by car). Common Loon, 17; Red-throated Loon, 2; **Horned Grebe,** 396; Pied-billed Grebe, 20; Double-crested Cormorant, 1; Great Blue Heron, 10; Canada Goose, 60; Mallard, 3; Black Duck, 36; Gadwall, 7; Am. Widgeon, 1; Pintail, 1; Redhead, 8; Ring-necked Duck, 48; Canvas-back, 140; scaup (sp.), 435 (including 9 Greater and 30 Lesser); Am. Golden-eye, 207; Buffle-head, 329; Old-squaw, 5; White-winged Scoter, 250 (est.); Surf Scoter, 130; Am. Scoter, 36; Ruddy Duck, 575; Hooded Merganser, 14; Red-breasted Merganser, 30; Turkey Vulture, 32; Black Vulture, 13; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 6; Marsh Hawk, 4; Sparrow Hawk, 2; Bob-white, 3; Clapper Rail, 2; Killdeer, 4; Red-backed Sandpiper, 6; Herring Gull, 31; Ring-billed Gull, 116; Belted Kingfisher, 14; Yellow-shafted Flicker, 17; Pileated Woodpecker, 2; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 12; Eastern Phoebe, 2; Horned Lark (Prairie), 3; Blue Jay, 1; Am. Crow, 81; Fish Crow, 1; Carolina Chickadee, 52; Tufted Titmouse, 46; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 5; Brown Creeper, 2; Winter Wren, 5; Carolina Wren, 57; Short-billed Marsh Wren, 4; Mockingbird, 8; Catbird, 3; Brown Thrasher, 2; Am. Robin, 3; Hermit Thrush, 18; Eastern Bluebird, 23; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 13; Water Pipit, 2; Common Starling, 130 (est.); Myrtle Warbler, 287; Pine Warbler, 5; House Sparrow, 26; Eastern Meadowlark, 21; Red-winged Blackbird, 8250 (est.); **Purple Grackle,** 3000 (est.); Brown-headed Cowbird, 168 (100 est., 68); Cardinal, 29; Purple Finch, 4; **Pine Siskin,** 47; Am. Goldfinch, 77; Eastern Towhee, 37; **Savannah Sparrow,** 95; Sharp-tailed Sparrow, 7; Slate-colored Junco, 81; Field Sparrow, 33; White-throated Sparrow, 138; Fox Sparrow, 9; Swamp Sparrow, 75; Song Sparrow, 94. **Total,** 90 species; about 16,017 individuals—J. H. Grey, Jr., R. B. McCartney, F. R. Scott.

162. Chapel Hill, N. C. (same area as in last 22 years; oak-hickory woods 30%, low ground thickets and farmland 30%, marsh and lake shores 30%, town 5%, pine forest 5%).—Dec. 27; 6:30 a.m. to 4:30 p.m. Cloudy until 1 p.m., then clear; temp. 32° to 49°; wind W to SW, 5 m.p.h. Thirteen observers in 9 parties. Total party-hours, 26 (23 on foot, 3 by car); total party-miles, 47

(18 on foot, 29 by car). Pied-billed Grebe, 4; Great Blue Heron, 1; Mallard, 32; Black Duck, 9; Am. Widgeon, 11; Pintail, 3; Ring-necked Duck, 123; Canvas-back, 1; Greater Scaup, 7; Lesser Scaup, 3; Buffle-head, 3; Hooded Merganser, 7; Turkey Vulture, 14; Black Vulture, 6; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 9; Am. Coot, 40; Killdeer, 15; Mourning Dove, 13; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 20; Eastern Phoebe, 5; Blue Jay, 16; Am. Crow, 42; Black-capped Chickadee, 3; Carolina Chickadee, 72; Tufted Titmouse, 16; White-breasted Nuthatch, 13; Brown-headed Nuthatch, 17; Brown Creeper, 9; Winter Wren, 6; Carolina Wren, 14; Mockingbird, 22; Brown Thrasher, 8; Am. Robin, 108; Hermit Thrush, 12; Eastern Bluebird, 25; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 10; Water Pipit, 5; Cedar Waxwing, 36; Common Starling, 78; Myrtle Warbler, 35; Pine Warbler, 5; House Sparrow, 78; Eastern Meadowlark, 100; Red-winged Blackbird, 17; Rusty Blackbird, 4; Purple Grackle, 4; Cardinal, 69; Purple Finch, 47; Pine Siskin, 15; Am. Goldfinch, 50; Eastern Towhee, 43; Slate-colored Junco, 202; Field Sparrow, 15; White-throated Sparrow, 147; Fox Sparrow, 7; Swamp Sparrow, 25; Song Sparrow, 40. **Total,** 70 species; 1810 individuals. (One Baltimore Oriole observed from Dec. 12 to Dec. 23; not observed on Dec. 27; appeared again on Dec. 28—Mr. and Mrs. R. B. Sharpe.)—Mr. and Mrs. M. L. Thompson, Thomas Odum, Coit Coker, Mark Orr, Mrs. Edna Northend, Phillips Russell, Douglas Atack, Mr. and Mrs. R. B. Sharpe, Mr. and Mrs. R. P. Kaighn, Mrs. Adelaide Walters (compiler).

163. Charlotte, N. C. (area same as in last 10 years, water area confined to pond on Beattie's Ford Road since Johnston's lake was drained; pine, gum, cedar, poplar 40%, cleared 49%, hedgerows 10%, pond 1%).—Dec. 27; 7 a.m. to 5 p.m. Cloudy in a.m., clearing; temp. 35° to 50°; wind very light; ground wet. Eight observers in 3 parties. Total party-hours, 27 (14 on foot, 13 by car); total party-miles, 70 (20 on foot, 50 by car). Pied-billed Grebe, 5; Am. Widgeon, 2; Ring-necked Duck, 1; Lesser Scaup, 4; Turkey Vulture, 1; Black Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Killdeer, 2; Am. Woodcock, 1; Wilson's Snipe, 1; Mourning Dove, 20; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 4; Blue Jay, 20; Am. Crow, 33; Carolina Chickadee, 15; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 11; Mockingbird, 16; Brown Thrasher, 1; Am. Robin, 10; Hermit Thrush, 1; Eastern Bluebird, 12; Ruby-crowned Kinglet, 7; Cedar Waxwing, 30; Loggerhead Shrike, 1; Common Starling, 52; Myrtle Warbler, 3; Pine Warbler, 2; Palm Warbler, 1; House Sparrow, 10; Eastern Meadowlark, 4; Brown-headed Cowbird, 2; Cardinal, 50; Purple Finch, 11; Pine Siskin, 35; Am. Goldfinch, 25; Eastern Towhee, 3; Slate-colored Junco, 120; Chipping Sparrow, 6; Field Sparrow, 20; White-throated Sparrow, 30; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 25. **Total,** 56 species; 650 individuals.—B. R. Chamberlain, Mrs. B. R. Chamberlain, B. R. Chamberlain, Jr., Norman A. Chamberlain, H. Leeds Cushman, Mrs. Edwin O. Clarkson, Steve Mahaley, Olin P. Wearn (Mecklenburg Audubon Club).

164. Greensboro, N. C. (area centering ½ mile SW of transmitter of radio station WBIG; same regions as covered in 1951; deciduous and pine woods 25%, thickets 15%, fresh-water lakes and ponds 25%, open fields 15%, marsh and wooded swamps 10%, lawns and parks 10%).—Dec. 27; 7 a.m. to 5:30 p.m. Cloudy a.m.; partially cloudy p.m.; temp. 36° to 50°; wind WNW, 7-10 m.p.h.; all ponds clear of ice. Thirty-two observers in 13 parties. Total party-hours, 89; total party-miles, 277 (59 on foot, 118 by car). Pied-billed Grebe, 21; Great Blue Heron, 4; Mallard, 57; Black Duck, 2; Am. Widgeon, 11; Pintail, 5; Green-winged Teal, 6; Shoveller, 1; Ring-necked Duck, 58; Lesser Scaup, 20; Am. Golden-eye, 1; Buffle-head, 3; Hooded Merganser, 7; Red-breasted Merganser, 1; Turkey Vulture, 49; Black Vulture, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 7; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 27; Killdeer, 33; Mourning Dove, 201; Screech Owl, 4; Belted Kingfisher, 8; Yellow-shafted Flicker, 72; Pileated Woodpecker, 2; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 26; Hairy Woodpecker, 8; Downy Woodpecker, 55; Eastern Phoebe, 14; Horned Lark, 101; Blue Jay, 65; Am. Crow, 175; Carolina Chickadee, 286; Tufted Titmouse, 123; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 22; Brown Creeper, 16; Winter Wren, 7; Carolina Wren, 86; Mockingbird, 89; Brown Thrasher, 5; Am. Robin, 2343; Hermit Thrush, 19; Eastern Bluebird, 157; Golden-crowned Kinglet, 52; Ruby-crowned Kinglet, 13; Cedar Waxwing, 99; Loggerhead Shrike, 17; Common Starling, 5792; Orange-crowned Warbler, 1; Myrtle Warbler, 57; Pine Warbler, 63; House Sparrow, 231; Eastern Meadowlark, 208; Red-winged Blackbird, 223; Rusty Blackbird, 27; Purple Grackle, 13; Cardinal, 229; Purple Finch, 98; Pine Siskin, 110; Am. Goldfinch, 279; Eastern Towhee, 106; Savannah Sparrow, 15; Slate-colored Junco, 1850; Chipping Sparrow, 28; Field Sparrow, 267; White-throated Sparrow, 711; Fox Sparrow, 13; Swamp Sparrow, 173; Song Sparrow, 274. **Total,** 77 species; 15,256 individuals. —Mr. & Mrs. F. H. Craft, Tom Street, Etta Schiffman, Ann Locke, Mrs. W. C. Carr, John Carr, Dr. and Mrs. A. D. Shaftsbury, Edith Settan, Mrs. B. J. Benson, Mamie Gray, Ida Mitchell, Ethel McNairy, Margaret Y. Wall, Mrs. W. F. Smyre,

Mrs. Robert McCoy, Dale Kellar, C. R. Lambe, Dr. Hollis Rogers, Geo. A. Smith, Dr. Wesley Taylor, Mrs. R. H. Weisner, James Maddox, James Furr, Dr. and Mrs. Thomas Simpson, Hugh Medford, Jr., Mr. and Mrs. Hugh Medford.

165. **Greenville, N. C.** (7½-mile radius centering on Falkland Highway 2 miles west of Greenville; fields 40%, mixed pine-hardwoods 33%, river 12%, cypress-gum swamp, 10%, suburban 5%).—Dec. 23; 8:30 a.m. to 6 p.m. Dark, cloudy, misty; temp. 47° to 48°; wind SW, 10 m.p.h.; ground bare, moist. Four observers in 4 parties. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 70 (13 on foot, 57 by car). Canada Goose, 15; Wood Duck, 2; Sparrow Hawk, 2; Bob-white, 15; Killdeer, 19; Mourning Dove, 10; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Eastern Phoebe, 3; Blue Jay, 8; Am. Crow, 17; Tufted Titmouse, 5; White-breasted Nuthatch, 2; Carolina Wren, 8; Mockingbird, 11; Brown Thrasher, 5; Am. Robin, 39; Hermit Thrush, 2; Eastern Bluebird, 12; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Water Pipit, 16; Cedar Waxwing, 65; Loggerhead Shrike, 17; Common Starling, 22; Myrtle Warbler, 13; Pine Warbler, 2; House Sparrow, 60; Eastern Meadowlark, 13; Red-winged Blackbird, 55; Purple Grackle, 6; Brown-headed Cowbird, 7; Cardinal, 10; Am. Goldfinch, 15; Eastern Towhee, 5; Savannah Sparrow, 26; Slate-colored Junco, 68; Chipping Sparrow, 16; Field Sparrow, 34; White-throated Sparrow, 84; Song Sparrow, 15. **Total,** 44 species; 747 individuals. (Seen in area, Dec. 21-22: Baltimore Oriole (one, a male in full breeding plumage), Purple Finch, Fox Sparrow, Hairy Woodpecker, Carolina Chickadee.)—Joseph D. Biggs, B. McK. Johnson, Harold C. Jones (compiler), Mrs. T. Y. Walker.

166. **Linville, N. C.** (N.E., E., S.E. and S. of town, including Grandfather Mt., Yonahlossee Highway, Blue Ridge Parkway, Beacon Heights, Linville Lake, Golf Course; altitude 3700 to 5400 ft.; mixed deciduous and coniferous woodlands 80%, golf course 15%, lake shore 5%).—Dec. 27; 6:45 a.m. to 4:30 p.m. Cloudy to clear; temp. 17 to 35°; wind W-NW, 15-40 m.p.h.; ground bare, lake frozen over. One observer. Total hours, 9¾ (9 on foot, ¾ by car); total miles, 16 (8 on foot, 8 by car). Common Raven, 1; chickadee (sp.), 10; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Carolina Wren, 1; Am. Robin, 8; Golden-crowned Kinglet, 1; Pine Siskin, 93; Eastern Towhee, 1; Slate-colored (Carolina) Junco, 36; Field Sparrow, 11; Song Sparrow, 2. **Total,** 13 species; 174 individuals.—Fred W. Behrend.

167. **Raleigh, N. C.** (7½-mile radius centering on State capitol, and including wooded and garden areas within town, Pullen Park, lakes Raleigh and Johnson, Boneyard and Country Club ponds, and environs; lakes and small ponds 25%, mixed pine and deciduous woodland 40%, deciduous woodland 20%, open fields 15%).—Dec. 20; 7:30 a.m. to 5:30 p.m. Cloudy all day; temp. 38° to 50°; wind calm; ground bare, water open. Nine observers in 6 parties. Total party-hours, 31 (27 on foot, 4 by car); total party-miles, 57 (27 on foot, 30 by car). Pied-billed Grebe, 6; Great Blue Heron, 2; Mallard, 26; Black Duck, 6; Gadwall, 2; Am. Widgeon, 23; Blue-winged Teal, 2; Ring-necked Duck, 152; Lesser Scaup, 10; Buffle-head, 2; Ruddy Duck, 7; Hooded Merganser, 2; Turkey Vulture, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Bob-white, 12; Am. Coot, 12; Killdeer, 25; Herring Gull, 1; Ring-billed Gull, 1; Mourning Dove, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 9; Blue Jay, 22; Am. Crow, 23; Carolina Chickadee, 22; Tufted Titmouse, 10; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 21; Brown Creeper, 6; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 33; Mockingbird, 12; Catbird, 1; Brown Thrasher, 6; Am. Robin, 19; Hermit Thrush, 1; Eastern Bluebird, 46; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 18; Water Pipit, 35; Cedar Waxwing, 29; Loggerhead Shrike, 2; Common Starling, 230; Myrtle Warbler, 6; Pine Warbler, 5; House Sparrow, 26; Eastern Meadowlark, 92; Cardinal, 14; Purple Finch, 2; Pine Siskin, 20; Am. Goldfinch, 29; Eastern Towhee, 21; Savannah Sparrow, 5; Slate-colored Junco, 737; Field Sparrow, 25; White-throated Sparrow, 156; Fox Sparrow, 6; Swamp Sparrow, 3; Song Sparrow, 55. **Total,** 67 species; 2081 individuals.—D. L. Wray (compiler), Mrs. D. L. Wray, Philip Davis, James F. Greene, Robert Overing, Mrs. C. H. Green, W. L. Hamnett, F. B. Meacham, John Wray.

168. **Todd, N. C.** (7½-mile radius centering near Todd P. O. along Ashe-Watauga County line, including terrain along S. Fork of New River and Bald Mt. (alt. 2800 to 3500 ft.); pasture 60%, plowed land 5%, deciduous farm woodlots 20%, rhododendron thicket 10%, white pine — hemlock forest 5%).—Dec. 20; 8:45 a.m. to 4:15 p.m. Rain, snow, sleet; temp. 33° to 33°; wind W, 5-10 m.p.h.; ground frozen, with light cover of snow; a little ice along stream banks. Five observers in 2 parties. Total party-hours, 37 (28 on foot, 9 by car); total party-miles, 67 (17 on foot, 50 by car). Red-shouldered Hawk, 1; Ruffed Grouse, 1; Bob-white, 14; Mourning Dove, 3; Belted Kingfisher, 2; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 5; Eastern Phoebe, 4; Blue Jay, 3; Am. Crow, 13; Carolina Chickadee, 23; Tufted Titmouse, 10; Winter Wren, 2; Carolina Wren, 8; Am. Robin, 10; Eastern Bluebird, 9; Common Starling, 20; House Sparrow, 24; Cardinal, 20; Am. Goldfinch, 3; Eastern Towhee, 34; Vesper Sparrow, 1; Slate-colored Junco, 122 (80 est., 42); Field Sparrow, 9; Song Sparrow, 30. **Total,** 26 species; about 374 individuals.—J. Leon Coulter, F. R. Derrick, Mrs. A. Burman Hurt (compiler), James T. Miller, J. Clyde Miller.

169. Wilmington, N. C. (New Hanover & Brunswick Counties; eighth count in area; 7½-mi. radius centering on Monkey Junction on the Carolina Beach Road and including Wrightsville Beach & Sound, Masonboro & Greenville Sounds, Winter Park, Orton & Pleasant Oak Plantations, Cape Fear River & Greenfield Lake; mixed pine & deciduous woodland 60%, fresh-water ponds & river 15%, beach & salt marsh 20%, pasture 5%).—Dec. 27; 7 a.m. to 5 p.m. Cloudy all day; temp. 38° to 54°; wind NW, 7 to 15 m.p.h.; ground bare; water open. Fifteen observers in 5 parties. Total party-hours, 49 (25 on foot, 24 by car); total party-miles, 191 (36 on foot, 155 by car). Common Loon, 36; Red-throated Loon, 4; Horned Grebe, 9; Pied-billed Grebe, 43; Gannet, 10; Double-crested Cormorant, 22; Great Blue Heron, 17; Am. Egret, 12; Snowy Egret, 11; Louisiana Heron, 21; Little Blue Heron, 9; Green Heron, 4; Black-crowned Night Heron, 3; Am. Bittern, 1; Canada Goose, 53; Mallard, 8; Black Duck, 23; Gadwall, 4; European Widgeon, 1; Am. Widgeon, 268; Pintail, 2; Green-winged Teal, 76; Blue-winged Teal, 2; Shoveller, 2; Wood Duck, 5; Ring-necked Duck, 106; Canvas-back, 7; Lesser Scaup, 60; Am. Golden-eye, 3; Buffle-head, 89; White-winged Scoter, 1; Am. Scoter, 3; Hooded Merganser, 18; Red-breasted Merganser, 283; Turkey Vulture, 4; Black Vulture, 5; Sharp-shinned Hawk, 2; Cooper's Hawk 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; Bald Eagle, 4; Marsh Hawk, 4; Osprey, 2; Sparrow Hawk, 12; Bob-white, 10; King Rail, 1; Clapper Rail, 6; Florida Gallinule, 3; Am. Coot, 317; Am. Oyster-catcher, 8; Piping Plover, 1; Ringed Plover, 6; Killdeer, 29; Black-bellied Plover, 46; Ruddy Turnstone, 2; Wilson's Snipe, 5; Willet, 11; Greater Yellow-legs, 7; Lesser Yellow-legs, 4; Least Sandpiper, 3; Red-backed Sandpiper, 128; Dowitcher, 4; Semipalmated Sandpiper, 20; Western Sandpiper, 1; Sanderling, 33; Herring Gull, 655; Ring-billed Gull, 562; Laughing Gull, 29; Bonaparte's Gull, 17; Forster's Tern, 55; Common Tern, 6; Royal Tern, 7; Caspian Tern, 3; Black Skimmer, 204; Mourning Dove, 141; Screech Owl, 2; Horned Owl, 2; Belted Kingfisher, 33; Yellow-shafted Flicker, 51; Pileated Woodpecker, 4; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 21; Eastern Phoebe, 11; Tree Swallow, 12; Blue Jay, 83; Am. Crow, 73; Fish Crow, 155; Carolina Chickadee, 68; Tufted Titmouse, 71; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 13; Brown-headed Nuthatch, 96; Brown Creeper, 5; House Wren, 15; Winter Wren, 13; Carolina Wren, 48; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 3; Mockingbird, 54; Catbird, 8; Brown Thrasher, 10; Am. Robin, 1000 (est.); Hermit Thrush, 18; Eastern Bluebird, 68; Blue-gray Gnatcatcher, 12; Golden-crowned Kinglet, 49; Ruby-crowned Kinglet, 58; Water Pipit, 153; Cedar Waxwing, 830; Loggerhead Shrike, 22; Common Starling, 145; Solitary Vireo, 4; Orange-crowned Warbler, 1 (Holmes); Myrtle Warbler, 590; Pine Warbler, 28; Palm Warbler, 4; Common Yellowthroat, 6; House Sparrow, 85; Eastern Meadowlark, 18; Red-winged Blackbird, 1000; Boat-tailed Grackle, 36; Purple Grackle, 3; Brown-headed Cowbird, 50; Cardinal, 99; Purple Finch, 15; Am. Goldfinch, 87; Eastern Towhee, 139; Ipswich Sparrow, 1; Savannah Sparrow, 179; Sharp-tailed Sparrow, 1; Seaside Sparrow, 20; Vesper Sparrow, 7; Slate-colored Junco, 500; Chipping Sparrow, 42; Field Sparrow, 109; White-throated Sparrow, 500; Fox Sparrow, 98; Swamp Sparrow, 104; Song Sparrow, 106. **Total,** 142 species; about 10,657 individuals. (Seen in area Dec. 26, 1 ♂ Baltimore Oriole; Dec. 28, Am. Woodcock, 1; Purple Sandpiper, 4; Red Knot, 14.)— Edna Appleberry (compiler), Cecil Appleberry, Mary Baker, Cliff Comeau, Bob Holmes III, Bill James, Ruth Loman, Polly Mebane, Steve Messenger, Claude McAllister, Harold Olsen, Oscar Paris, Cratie Sandlin, Phil Sandlin, Marie Vander Schalie (Wilmington Natural Science Club).

170. Windom, N. C. (same territory as last year).—Dec. 26; 8 a.m. to 4:30 p.m.; temp. 30° to 45°; wind ESE, 20 m.p.h. Four observers in 2 parties. Total party-hours, 16 (8 on foot, 8 by car); total party-miles, 35 (15 on foot, 20 by car). Cooper's Hawk, 2; Sparrow Hawk, 1; Bob-white, 8; Wilson's Snipe, 3; Mourning Dove, 25; Screech Owl, 1; Downy Woodpecker, 2; Blue Jay, 8; Am. Crow, 102; Black-capped Chickadee, 14; Tufted Titmouse, 11; Carolina Wren, 12; Mockingbird, 1; Am. Robin, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 3; Common Starling, 45; House Sparrow, 118; Cardinal, 31; Am. Goldfinch, 82; Eastern Towhee, 12; Slate-colored Junco, 45; Field Sparrow, 109; White-throated Sparrow, 3; Fox Sparrow, 9; Song Sparrow, 73. **Total,** 26 species; 729 individuals.—Roosevelt and Paul Hughes, Wade Styles and James Hutchins (compiler).

171. Aiken, S. C. (same routes as 1951, but 6-mile radius now centered on Aiken training track; pasture, plowed and abandoned fields 26%, mixed pine and hardwood forests 23%, semi-open farmland 18%, burned-out area of woods 15%, town suburbs 10%, swampy woodlands and small ponds 8%).—Dec. 22; 6:45 a.m. to 6 p.m. Clear in a.m., cloudy in p.m.; temp. 33° to 58°; wind variable, 1-10 m.p.h.; ground wet during entire day. One observer. Total hours, 11 (7½ on foot, 3½ by car); total miles, 24 (8½ on foot, 15½ by car). Turkey Vulture, 8; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 7; Killdeer, 137; Mourning Dove, 2; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Red-cockaded Woodpecker, 7; Eastern Phoebe, 4; Blue Jay, 14; Am. Crow, 12; Carolina Chickadee, 4; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 16; Brown Creeper, 3; Carolina Wren, 4; Mockingbird, 17; Brown Thrasher, 2; Am. Robin, 40; Hermit Thrush, 5; Eastern Bluebird, 7; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 15;

Water Pipit, 103 (partly est.); Cedar Waxwing, 87; Loggerhead Shrike, 5; Common Starling, 303 (partly est.); Myrtle Warbler, 7; Pine Warbler, 32; Palm Warbler (Western), 6; House Sparrow, 44; Eastern Meadowlark, 52; Red-winged Blackbird, 204 (partly est.); Purple Grackle, 404 (partly est.); Cardinal, 32; Purple Finch, 6; Am. Goldfinch, 7; Eastern Towhee, 19 (Red-eyed, 17; White-eyed, 2); Savannah Sparrow, 17; Vesper Sparrow, 6; Slate-colored Junco, 60 (partly est.); Field Sparrow, 70 (partly est.); White-throated Sparrow, 70; Fox Sparrow 1; Song Sparrow, 5. **Total,** 52 species (1 additional subspecies); 1897 individuals. (Seen during period: Black Vulture, 8.)—William Post, Jr.

172. **Charleston, S. C.** (5-mi. radius, including Bull's Island and Mayrant's Backwater).—Dec. 26; 7:30 a.m. to 5 p.m. Temp. 45° to 57°; wind NW, 14 m.p.h. Eighteen observers in 5 parties. Total hours, 41 (24 on foot, 12 by car, 5 by boat); total miles, 136 (57 on foot, 49 by car, 30 by boat). Common Loon, 1; Red-throated Loon, 3; Horned Grebe, 16; Pied-billed Grebe, 15; Gannet, 4; Double-crested Cormorant, 12; Great Blue Heron, 12; Am. Egret, 6; Snowy Egret, 1; Louisiana Heron, 17; Little Blue Heron, 1; Black-crowned Night Heron, 2; Mallard, 19; Black Duck, 58; Gadwall, 104; Am. Widgeon, 80; Pintail, 7; Green-winged Teal, 26; Blue-winged Teal, 36; Shoveller, 54; Wood Duck, 3; Redhead, 12; Ring-necked Duck, 43; Canvasback, 35; scaup (sp.), 21; Buffle-head, 15; Ruddy Duck, 8; Hooded Merganser, 10; Red-breasted Merganser, 60; Turkey Vulture, 12; Black Vulture, 27; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 6; Bald Eagle, 13; Marsh Hawk, 7; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 11; Turkey, 22; Clapper Rail, 5; Florida Gallinule, 3; Am. Coot, 144; Am. Oystercatcher, 155; Ringed Plover, 32; Black-bellied Plover, 21; Ruddy Turnstone, 50; Willet, 1; Greater Yellow-legs, 19; Lesser Yellow-legs, 6; Red Knot, 1; Least Sandpiper, 8; Red-backed Sandpiper, 23; Semipalmated Sandpiper, 6; Marbled Godwit, 1; Sanderling, 13; Herring Gull, 39; Ring-billed Gull, 32; Forster's Tern, 1; Common Tern, 3; Royal Tern, 4; Caspian Tern, 1; Black Skimmer, 5; Mourning Dove, 60; Ground Dove, 2; Belted Kingfisher, 11; Yellow-shafted Flicker, 12; Pileated Woodpecker, 15; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 7; Downy Woodpecker, 9; Eastern Phoebe, 19; Tree Swallow, 6; Blue Jay, 3; Am. Crow, 64; Fish Crow, 17; Carolina Chickadee, 8; Tufted Titmouse, 2; Brown-headed Nuthatch, 5; Brown Creeper, 2; House Wren, 12; Winter Wren, 3; Carolina Wren, 23; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 8; Mockingbird, 17; Catbird, 6; Brown Thrasher, 3; Am. Robin, 4; **Wood Thrush,** 1 (seen twice at very close range and heard calling, first S. C. winter record—T.B.); Hermit Thrush, 16; Eastern Bluebird, 12; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 29; Water Pipit, 30; Cedar Waxwing, 158; Loggerhead Shrike, 7; Common Starling, 8; Solitary Vireo, 3; Orange-crowned Warbler, 3; Myrtle Warbler, 225; Yellow-throated Warbler, 2; Pine Warbler, 38; Palm Warbler, 4 (Yellow, 3; Western, 1); Common Yellowthroat, 8; House Sparrow, 6; Eastern Meadowlark, 15; Red-winged Blackbird, 193; Rusty Blackbird, 2; Boat-tailed Grackle, 20; Brown-headed Cowbird, 1; **Summer Tanager,** 1 (well seen; first S. C. winter record — J.H.D., A.S., J.S.); Cardinal, 48; Am. Goldfinch, 58; Eastern Towhee, 26 (Red-eyed, 24; White-eyed, 2); Savannah Sparrow, 13; Sharp-tailed Sparrow, 1; Seaside Sparrow, 6; Pine-woods Sparrow, 3; Slate-colored Junco, 18; **Chipping Sparrow,** 200; Field Sparrow, 12; White-throated Sparrow, 225; Fox Sparrow, 2; **Swamp Sparrow,** 200; Song Sparrow, 24. **Total,** 126 species (2 additional subspecies); 3293 individuals. — Theo. Beckett III, E. Milby Burton (compiler), John Henry Dick, R. D. Edwards, Robert Edwards, Julian Harrison, Mrs. Mary E. Kerr, Renwick Kerr, Richard McLean, I. S. Metcalf, Major and Mrs. I. S. H. Metcalf, Louis Perker, Jr., Alexander Sprunt, Jr., James Sprunt, Arthur Wilcox, Ellison A. Williams, Thomas Uzzell.

173. **Columbia, S. C.** (same area as last year except town of Eau Claire added to north and Burrell Manning property added to southeast; deciduous river and creek swamps 30%, pine woods 20%, open fields 28%, lake shores 10%, urban 12%). —Dec. 26; 7 a.m. to 5:30 p.m. Dense fog early morning, clear by 10 a.m.; temp. 35° to 58°; no wind. Eleven observers in 6 parties. Total party-hours, 25 (21 on foot, 4 by car); total party-miles, 112 (18 on foot, 94 by car). Pied-billed Grebe, 7; Black Duck, 2; Wood Duck, 2; Ring-necked Duck, 1; Ruddy Duck, 2; Turkey Vulture, 5; Black Vulture, 42; Red-tailed Hawk, 3; Marsh Hawk, 7; Sparrow Hawk, 3; Bob-white, 13; Am. Coot, 26; Killdeer, 34; Wilson's Snipe, 4; Mourning Dove, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 41; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 3; Eastern Phoebe, 13; Blue Jay, 56; Am. Crow, 51; Carolina Chickadee, 31; Tufted Titmouse, 39; Brown-headed Nuthatch, 7; Brown Creeper, 6; Winter Wren, 5; Carolina Wren, 36; Mockingbird, 24; Catbird, 4; Brown Thrasher, 9; Am. Robin, 57; Hermit Thrush, 14; Eastern Bluebird, 56; Golden-crowned Kinglet, 54; Ruby-crowned Kinglet, 41; Water Pipit, 43; Cedar Waxwing, 168; Loggerhead Shrike, 5; Common Starling, 113; Myrtle Warbler, 28; Pine Warbler, 48; Common Yellowthroat, 1; House Sparrow, 141; Eastern Meadowlark, 122; Red-winged Blackbird, 242; Rusty Blackbird, 120; Purple Grackle, 1; Brown-headed Cowbird, 311; Cardinal, 117; Purple Finch, 14; Pine Siskin, 2; Am. Goldfinch, 79; Eastern Towhee, 92; Savannah Sparrow, 19; Vesper Sparrow, 10; Pine-woods Sparrow, 2; Slate-colored Junco, 193; Chipping Sparrow, 267; Field Sparrow, 127; White-throated Sparrow, 293; Fox Sparrow, 8; Swamp Sparrow, 21; Song Sparrow, 39. **Total,** 66 species; 3353 individuals.—Mr. and Mrs. S. E. Hartin, Mr. and Mrs. P. B. Hendrix, Mr. and Mrs. Charles Eastman, Fred Sample, Mrs. Clyde Sisson, David Monteith, Edward

C. "Corky" Lee, and Gilbert J. Bristow (compiler).

174. Eastover, S. C. (from center of town, up Highway 764 past Scarborough's pond to Weston's pond, back by Haithcock's pond across country to Community Pond; down Highway 601 to Wateree Hereford Farm; up Hy. 263 to Armour's pond; cultivated fields 33%, grass pasture 33%, deciduous and pine woods 14%, residential grounds 5%, swampy areas around streams and ponds 15%).—Dec. 23; 7:30 a.m. to 5 p.m. Cloudy, occasional showers; temp. 40° to 55°; wind SE, 5-15 m.p.h. Two observers in 1 party. Total party-hours, 7 (1 on foot, 6 by car); total party-miles, 20 (½ on foot, 19½ by car). Pied-billed Grebe, 4; Great Blue Heron, 1; Mallard, 8; Black Duck, 2; Redhead, 2; Ring-necked Duck, 7; Lesser Scaup, 2; Hooded Merganser, 3; Black Vulture, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 7; Bob-white, 8; Am. Coot, 1; Killdeer, 29; Mourning Dove, 96; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 10; Horned Lark (Prairie), 20; Blue Jay, 21; Am. Crow, 37; Carolina Chickadee, 5; Tufted Titmouse, 4; Brown-headed Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 8; Mockingbird, 11; Brown Thrasher, 3; Am. Robin, 36; Hermit Thrush, 9; Eastern Bluebird, 39; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 14; Water Pipit, 148; Cedar Waxwing, 10; Loggerhead Shrike, 15; Common Starling, 147; Solitary Vireo, 1; Myrtle Warbler, 1; Pine Warbler, 25; House Sparrow, 200; Eastern Meadowlark, 72; Red-winged Blackbird, 50; Brown-headed Cowbird, 55; Cardinal, 47; Purple Finch, 9; Pine Siskin, 11; Am. Goldfinch, 29; Eastern Towhee, 5; Savannah Sparrow, 20; Vesper Sparrow, 20; Slate-colored Junco, 46; Chipping Sparrow, 55; Field Sparrow, 18; White-throated Sparrow, 150; Fox Sparrow, 11; Song Sparrow, 14. **Total,** 65 species; 1599 individuals. (Barred Owl was found dead along highway.)—Mrs. William H. Faver, Mrs. Clyde Sisson.

175. Santee National Wildlife Refuge, S. C. (7½-mile radius centering on a point ½ mile east of Davis Crossroads [3½ miles SSE of Summerton] and including the Santee Refuge [Clarendon Co. portion] and vicinity; pasture and open fields 40%, town suburbs 10%, marsh and water edge 20%, mixed hardwood and pine forest 30%).—Dec. 20; 7:15 a.m. to 4 p.m. Cloudy; rain from noon on; temp. 38° to 50°; wind NW, 4-7 m.p.h. One observer. Total party-hours, 8¾ (4 on foot, 4¾ by car); total party-miles, 73 (5 on foot, 68 by car). Pied-billed Grebe, 7; Double-crested Cormorant, 2; Great Blue Heron, 15; Am. Egret, 18; Am. Bittern, 3; Whistling Swan, 3; Canada Goose, 765; Blue Goose, 3; Mallard, 860 (600±50, 260); Black Duck, 173; Gadwall, 1652 (1500±100, 152); Am. Widgeon, 1535 (1300±100, 235); Pintail, 98; Green-winged Teal, 240; Shoveller, 5; Wood Duck, 42; Ring-necked Duck, 211; Hooded Merganser, 1; Turkey Vulture, 6; Black Vulture, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 3; Marsh Hawk, 9; Sparrow Hawk, 6; Bob-white, 6; Am. Coot, 2255 (1800±100, 455); Killdeer, 20; Wilson's Snipe, 16; Ring-billed Gull, 10; Forster's Tern, 1; Mourning Dove, 87; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Eastern Phoebe, 5; Blue Jay, 27; Am. Crow, 12; Fish Crow, 255; Brown-headed Nuthatch, 13; Brown Creeper, 1; House Wren, 1; Bewick's Wren, 2; Carolina Wren, 2; Mockingbird, 6; Catbird, 1; Brown Thrasher, 3; Hermit Thrush, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 23; Water Pipit, 185; Loggerhead Shrike, 4; Common Starling, 2; Orange-crowned Warbler, 2; Myrtle Warbler, 12; Pine Warbler, 2; Palm Warbler, 6; Common Yellowthroat, 1; House Sparrow, 7; Eastern Meadowlark, 88; Red-winged Blackbird, 17; Purple Grackle, 45; Brown-headed Cowbird, 69; Cardinal, 23; Eastern Towhee, 9; Savannah Sparrow, 120; Slate-colored Junco, 84; Chipping Sparrow, 25; Field Sparrow, 132; White-throated Sparrow, 20; Swamp Sparrow, 3; Song Sparrow, 26. **Total,** 75 species; about 9315 individuals.—R. J. Lemaire (Asst. Refuge Manager).

176. Spartanburg, S. C. (7½-mile radius, including Zimmerman Lake area, Ezell woods, Duncan Park lake; Pierce fish pond, Silver Lake area; open farmlands 15%, town suburbs 20%, mixed woodlands 20%, fresh-water lakes, ponds and marshes 45%).—Dec. 21; 7:15 a.m. to 5:30 p.m. Cloudy in a.m., clearing in p.m.; temp. 36° to 55°; wind 5 m.p.h. Fifteen observers in 6 parties. Total party-hours, 35 (30 on foot, 5 by car); total party-miles, 30 (10 on foot, 20 by car). Pied-billed Grebe, 25; Great Blue Heron, 2; Mallard, 9; Blue-winged Teal, 5; Redhead, 1; Ring-necked Duck, 6; Bufflehead, 1; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 7; Florida Gallinule, 1; Am. Coot, 3; Killdeer, 93; Mourning Dove, 536; Belted Kingfisher, 7; Yellow-shafted Flicker, 24; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 8; Eastern Phoebe, 5; Blue Jay, 74; Am. Crow, 165; Carolina Chickadee, 42; Tufted Titmouse, 4; Brown-headed Nuthatch, 13; Brown Creeper, 7; Carolina Wren, 58; Mockingbird, 38; Brown Thrasher, 4; Am. Robin, 134; Hermit Thrush, 15; Eastern Bluebird, 69; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 24; Water Pipit, 50; Cedar Waxwing, 18; Loggerhead Shrike, 5; Common Starling, 2000+; Myrtle Warbler, 31; Pine Warbler, 28; Common Yellowthroat, 1 ♀; House Sparrow, 60; Eastern Meadowlark, 95; Red-winged Blackbird, 130; Cardinal, 74; Purple Finch, 24; Am. Goldfinch, 115; Eastern Towhee, 23; Slate-colored Junco, 185; Chipping Sparrow, 13; Field Sparrow, 112; White-crowned Sparrow, 5; White-throated Sparrow, 134; Fox Sparrow, 5; Swamp Sparrow, 3; Song Sparrow, 90. **Total,** 61 species; 4628 individuals. (Purple Grackle seen

Dec. 22 and 23.)—Flora Beymer, Louisa Carlisle, Gabriel Cannon, A. M. Copeland, Harold Correll, Ruth Crick (compiler), Margaret Hammond, Rudy Johnson, Tucker McCravy, John McCutcheon, R. E. Rupp, Granville Sydnor, W. P. Walker, Dr. & Mrs. John O. Watkins.

177. **Atlanta, Ga.** (Lake Phoebe, Chattahoochee River, South River, Eastlake, Emory University campus, Candler estate, Decatur waterworks, West End, and areas between; cultivated and abandoned fields 20%, pond and stream 20%, parks 15%, mixed woods 30%, marsh 5%, residential 5%, roadside 5%). —Dec. 21; 6:30 a.m. to 6 p.m. Partly cloudy to clear; temp. 42° to 48°; wind NW, 0-20 m.p.h. Thirty-one observers in 9 parties. Total party-hours, 69 (57 on foot, 12 by car), total party-miles, 210 (40 on foot, 170 by car). Pied-billed Grebe, 18; Blue Goose, 1; Ring-necked Duck, 2; Ruddy Duck, 1; Turkey Vulture, 19; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 5; Red-shouldered Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 8; Bob-white, 54; Am. Coot, 3; Killdeer, 89; Am. Woodcock, 2; Wilson's Snipe, 5; Mourning Dove, 10; Screech Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 42; Pileated Woodpecker, 2; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 13; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 9; Downy Woodpecker, 18; Eastern Phoebe, 11; Blue Jay, 224; Am. Crow, 278; Carolina Chickadee, 116; Tufted Titmouse, 87; White-breasted Nuthatch, 35; Brown-headed Nuthatch, 38; Brown Creeper, 5; House Wren, 4; Winter Wren, 15; Bewick's Wren, 1; Carolina Wren, 89; Mockingbird, 88; Catbird, 1; Brown Thrasher, 39; Am. Robin, 28; Hermit Thrush, 22; Eastern Bluebird, 163; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 40; Water Pipit, 264; Cedar Waxwing, 87; Loggerhead Shrike, 9; Common Starling, 871; Myrtle Warbler, 9; Pine Warbler, 12; Palm Warbler, 1; Common Yellowthroat, 5; House Sparrow, 110; Eastern Meadowlark, 105; Red-winged Blackbird, 3862; Rusty Blackbird, 15; Purple Grackle, 2900; Brown-headed Cowbird, 164; Cardinal, 177; Purple Finch, 62; Pine Siskin, 104; Am. Goldfinch, 630; Eastern Towhee, 216; Savannah Sparrow, 26; Leconte's Sparrow, 1; Vesper Sparrow, 3; Slate-colored Junco, 529; Chipping Sparrow, 148; Field Sparrow, 265; White-throated Sparrow, 833; Fox Sparrow, 13; Swamp Sparrow, 214; Song Sparrow, 358. **Total,** 76 species; about 13,660 individuals. —Orphia Baber, George Beal, Glenn W. Bell, Morgan Belser, R. B. Belser, Mrs. J. E. Boyd, Beverly Brown, Rebecca Brown, Jack Carusos, Mrs. Evelyn Crawford, Norman H. Giles, Jr., R. D. Godwin, Mrs. Lewis Gordon, Mr. & Mrs. William W. Griffin, Mr. and Mrs. Hal Herreman, Clint Herrick, Manilla Land, David Monteith, Mrs. J. C. Oliver, Richard A. Parks, Mr. & Mrs. Harold S. Peters, Mary Phillips, Ralph L. Ramsey (compiler), Mrs. J. D. Reynolds, Henry C. Robert, Cleo Sampson, Mrs. J. M. Smith, Mrs. R. C. Witcher (Atlanta Bird Club).

178. **Cartersville, Ga.** (Allatoona Reservoir, Allatoona Creek portion, Lake Aubrey, Cartersville, Allatoona, and areas between; ponds and streams 30%, mixed woods 25%, cultivated and abandoned fields 35%, residential 10%).—Dec. 26; 7:30 a.m. to 5 p.m. Partly cloudy to clear; temp. 30 to 50°; wind 0-5 m.p.h. Seven observers in 2 parties. Total party-hours, 15 (10 on foot, 5 by car), total party-miles, 98 (8 on foot, 90 by car). Great Blue Heron, 1; Ring-necked Duck, 8; Turkey Vulture, 9; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Killdeer, 17; Am. Woodcock, 1; Wilson's Snipe, 3; Mourning Dove, 32; Belted Kingfisher, 6; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 4; Downy Woodpecker, 3; Eastern Phoebe, 2; Blue Jay, 75; Am. Crow, 319; Carolina Chickadee, 39; Tufted Titmouse, 1; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 2; Brown Creeper, 3; Bewick's Wren, 1; Carolina Wren, 9; Mockingbird, 17; Brown Thrasher, 2; Am. Robin, 20; Eastern Bluebird, 28; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Cedar Waxwing, 25; Loggerhead Shrike, 6; Common Starling, 270; Pine Warbler, 1; House Sparrow, 22; Eastern Meadowlark, 96; Red-winged Blackbird, 4; Cardinal, 19; Am. Goldfinch, 131; Eastern Towhee, 14; Savannah Sparrow, 31; Grasshopper Sparrow, 1; Leconte's Sparrow, 1; Slate-colored Junco, 115; Field Sparrow, 154; White-throated Sparrow, 16; Swamp Sparrow, 5; Song Sparrow, 85. **Total,** 50 species; 1622 individuals.—Jack Carusos, R. B. Godwin, James C. Major, Terry McGowan, Harold S. Peters, Ralph L. Ramsey (compiler), Henry C. Robert.

179. **Columbus, Ga.** (same as last year).—Dec. 27; 6 a.m. to 5 p.m. Heavy overcast sky, sun shining through dimly for a short time about noon; temp. 28° to 42°; wind SW, 5-10 m.p.h. Six observers in 1 party. Total party-hours, 11 (6 on foot, 5 by car); total party-miles, 38 (8 on foot, 30 by car). Pied-billed Grebe, 5; Mallard, 1; Turkey Vulture, 2; Killdeer, 1; Mourning Dove, 16; Yellow-shafted Flicker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 1; Blue Jay, 18; Am. Crow, 9; Carolina Chickadee, 2; Carolina Wren, 1; Mockingbird, 19; Brown Thrasher, 1; Am. Robin, 3; Eastern Bluebird, 3; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 2; Water Pipit, 6; Cedar Waxwing, 50; Loggerhead Shrike, 6; Common Starling, 38; House Sparrow, 25; Eastern Meadowlark, 9; Rusty Blackbird, 42; Cardinal, 11; Am. Goldfinch, 10; Eastern Towhee, 8; Savannah Sparrow, 6; Vesper Sparrow, 13; Slate-colored Junco, 6; Chipping Sparrow, 4; Field Sparrow, 2; White-throated Sparrow, 24. **Total,** 36 species; 354 individuals. (Seen in the area within the week: Sparrow Hawk, 3; Red-shouldered Hawk, 2; Barn Owl, 1; Marsh Hawk, 1.)—Rev. and Mrs. W. B. Clemmons, Bill Clemmons, Jr., Martha Clemmons, Frank A. Philips, Jr., Mrs. Frank Schley.

180. **Demorest, Ga.** (center of town to points 4 miles north, south, east; town suburbs 10%,

deciduous woods 20%, lake shore 40%, open fields 30%).—Dec. 26; 8 a.m. to 5:30 p.m. Clear in a.m., cloudy in p.m.; temp. 30° to 50°; wind SE, 1-3 m.p.h. Three observers in 1 party. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 63 (7 on foot, 56 by car). Pied-billed Grebe, 5; Black Duck, 7; Ring-necked Duck, 2; Lesser Scaup, 2; Hooded Merganser, 8; Turkey Vulture, 14; Black Vulture, 7; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bob-white, 14; Am. Coot, 1; Mourning Dove, 10; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 5; Eastern Phoebe, 4; Blue Jay, 17; Am. Crow, 10; Carolina Chickadee, 23; Tufted Titmouse, 18; White-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 17; Mockingbird, 12; Hermit Thrush, 4; Eastern Bluebird, 19; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 2; Common Starling, 28; Pine Warbler, 1; House Sparrow, 6; Eastern Meadowlark, 14; Cardinal, 25; Purple Finch, 7; Pine Siskin, 4; Am. Goldfinch, 29; Eastern Towhee, 28; Savannah Sparrow, 5; Slate-colored Junco, 38; Field Sparrow, 21; White-throated Sparrow, 58; Swamp Sparrow, 3; Song Sparrow, 33. **Total,** 49 species; 548 individuals.—F. P. Griffin, W. W. Griffin, D. P. Neal.

181. Macon, Ga. (same area as last year and 1950, but also including farmlands and deciduous floodplain forest just north of Warner Robins; upland oak-pine forest 40%, deciduous floodplain forest 20%, brushy fields 15%, open pasture 15%, ponds 5%, cultivated fields 5%).—Dec. 28; 7 a.m. to 6 p.m. Clear and cool throughout; temp. 35° to 56°; wind ENE to W, 0-10 m.p.h.; no significant changes in weather conditions noted during census week. Eleven observers in 5 parties. Total party-hours, 32 (28 on foot, 4 by car); total party-miles, 73 (20 on foot, 53 by car). Pied-billed Grebe, 4; Great Blue Heron, 2; Am. Egret, 1; Mallard, 3; Gadwall, 15; unidentified ducks, 10; Lesser Scaup, 3; Hooded Merganser, 8; Turkey Vulture, 45; Black Vulture, 104; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 4; Rough-legged Hawk, 1 (G.G.R.); Marsh Hawk, 7; Sparrow Hawk, 6; Bob-white, 10 (1 covey); Am. Coot, 1; Killdeer, 96; Wilson's Snipe, 1; Mourning Dove, 8; Ground Dove, 8; Barred Owl, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 28; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 1; Downy Woodpecker, 8; Eastern Phoebe, 3; Horned Lark, 1; Blue Jay, 65; Am. Crow, 25; Carolina Chickadee, 22; Tufted Titmouse, 9; Brown-headed Nuthatch, 1; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 26; Mockingbird, 22; Brown Thrasher, 4; Am. Robin, 1687; Hermit Thrush, 4; Eastern Bluebird, 25; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 11; Water Pipit, 177; Cedar Waxwing, 135; Loggerhead Shrike, 9; Common Starling, 71; Orange-crowned Warbler, 1; Myrtle Warbler, 56; Pine Warbler, 3; Palm Warbler, 8 (Western, 6; Yellow, 2); Common Yellowthroat, 2; House Sparrow, 37; Eastern Meadowlark, 220; Red-winged Blackbird, 497; Rusty Blackbird, 2; Purple Grackle, 5; Cardinal, 48; Purple Finch, 2; Pine Siskin, 28; Am. Goldfinch, 91; Eastern Towhee, 24; Savannah Sparrow, 23; Grasshopper Sparrow, 2; Henslow's Sparrow, 2; Vesper Sparrow, 40; Pine-woods Sparrow, 1; Slate-colored Junco, 86; Chipping Sparrow, 1; Field Sparrow, 73; White-throated Sparrow, 123; Swamp Sparrow, 2; Song Sparrow, 31. **Total,** 76 species (1 additional subspecies); 4137 individuals. (Seen in area Dec. 26: Short-eared Owl, 1.)—H. L. Batts, Jr., C. P. Deaton, R. Eason, W. E. Farrar, W. E. Farrar, Jr. (compiler), T. P. Haines, L. H. Mounts, G. G. Rohwer, S. A. Rohwer, Mary Whitney, N. R. Whitney.

182. Sherwood and Birdsong Plantations (Grady Co.), Ga. (within 1500 acres; open fields and pastures 50%, pineland and mixed hardwoods 30%, gum swamp and 6 ponds 1½ to 15 acres 20%).—Dec. 21; 6:15 a.m. to 6:30 p.m. Clear to partly cloudy; temp. 46° to 47°; wind NW to N, 0-7 m.p.h.; most water areas low or nearly dry due to long drought. One observer. Total hours, 11½ (10 on foot, 1½ by car); total party-miles, 12 (5 on foot, 7 by car). Pied-billed Grebe, 1; Water-turkey, 1; Great Blue Heron, 1; Canada Goose, 11; Mallard, 2; Black Duck, 9; Gadwall, 2; Am. Widgeon, 31; Wood Duck, 228 (partly est.); Ring-necked Duck, 193; Turkey Vulture, 4; Black Vulture, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 3; Turkey, 25; Killdeer, 24; Am. Woodcock, 2; Mourning Dove, 121; Ground Dove, 3; Screech Owl, 2; Barred Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Pileated Woodpecker, 8; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 27; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 4; Red-cockaded Woodpecker, 2; Eastern Phoebe, 7; Blue Jay, 9; Am. Crow, 36; Carolina Chickadee, 13; Tufted Titmouse, 17; White-breasted Nuthatch, 6; Brown-headed Nuthatch, 15; Brown Creeper, 2; House Wren, 10; Winter Wren, 1; Carolina Wren, 15; Mockingbird, 11; Brown Thrasher, 12; Am. Robin, 10,199 (est.); Hermit Thrush, 14; Eastern Bluebird, 54; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 24; Water Pipit, 125 (est.); Cedar Waxwing, 107 (est.); Loggerhead Shrike, 1; Common Starling, 85; Solitary Vireo, 3; Myrtle Warbler, 116; Pine Warbler, 34; Palm Warbler, 6; Common Yellowthroat, 3; House Sparrow, 3; Eastern Meadowlark, 155; Red-winged Blackbird, 60; Purple Grackle, 3; Brown-headed Cowbird, 75; Cardinal, 53; Am. Goldfinch, 66; Eastern Towhee, 11; Savannah Sparrow, 8; Vesper Sparrow, 64; Slate-colored Junco, 18; Chipping Sparrow, 118; Field Sparrow, 25; White-throated Sparrow, 82; Swamp Sparrow, 26; Song Sparrow, 12. **Total,** 76 species; about 12,462 individuals. (Seen in area Dec. 20, Yellow-throated Warbler, 1.)—H. L. Stoddard, Sr.

183. West Point, Ga. (7½-mile radius centered at Flat Shoals Creek, on Route 18 east of West

Point; road banks & hedgerows 20%, cultivated fields 15%, pasture 30%, city 5%, pine & deciduous woodlots 15%, river & creek banks 15%).—Dec. 27; 7:30 a.m. to 6 p.m. Cloudy (low hanging clouds); temp. 41° to 49°; wind variable, 0-15 m.p.h. Ten observers (7 in 3 parties plus 3 at feeding stations). Total party-hours, 22½ (13 on foot, 6 by car, 3½ at feeding stations); total party-miles, 92 (12 on foot, 80 by car). Pied-billed Grebe, 5; Great Blue Heron, 1; Turkey Vulture, 14; Black Vulture, 24; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 5; Killdeer, 148; Wilson's Snipe, 2; Mourning Dove, 9; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 4; Eastern Phoebe, 2; Blue Jay, 52; Am. Crow, 57; Carolina Chickadee, 47; Tufted Titmouse, 10; Brown-headed Nuthatch, 5; Brown Creeper, 1; House Wren, 1; Carolina Wren, 19; Mockingbird, 33; Brown Thrasher, 11; Hermit Thrush, 1; Eastern Bluebird, 51; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 9; Water Pipit, 65; Cedar Waxwing, 96; Loggerhead Shrike, 25; Common Starling, 154; Solitary Vireo, 1; Myrtle Warbler, 56; Pine Warbler, 44; House Sparrow, 407; Eastern Meadowlark, 215; Red-winged Blackbird, 680; Brewer's Blackbird, 6 [no details—Ed.]; Purple Grackle, 48; Brown-headed Cowbird, 10; mixed flock of blackbirds, 800 (est.); Cardinal, 66; Purple Finch, 3; Am. Goldfinch, 31; Eastern Towhee, 20; Savannah Sparrow, 8; Vesper Sparrow, 1; Slate-colored Junco, 67; Chipping Sparrow, 7; Field Sparrow, 115; White-throated Sparrow, 152; Swamp Sparrow, 9; Song Sparrow, 28. **Total,** 58 species; about 3669 individuals. (Known to be in area: Bewick's Wren, Pine Siskin, Am. Robin, Winter Wren, Bob-white, Marsh Hawk, Rusty Blackbird, Palm Warbler, Orange-crowned Warbler.)—Laura Frances Johnson, Stephen Johnson, Ralph McCune, J. C. Murphey, Mrs. Harold Parker, O. P. Roberts, Mrs. O. P. Roberts, Mrs. J. H. Whiteman (compiler), Mrs. C. O. Williams, Mrs. J. L. Young (Chattahoochee Bird Club).

184. Cedar Key, Fla. (coast to 4 miles north-east of Sumner; pine flatlands 20%, sand pine scrub 5%, hammock (bordering salt marsh) 10%, hammock (inland) 20%, salt marsh and mud flats 45%).— Dec. 26; 7 a.m. to 2 p.m. Sky overcast, light drizzle; temp. 66° to 80°; wind SW, 3-5 m.p.h.; area not as thoroughly covered as in past due to limited time and fewer observers in the field. Area checked at high tide, therefore few shorebirds. One observer. Total hours, 7 (6 on foot, 1 by car); total miles, 30 (3 on foot, 27 by car). Common Loon, 16; Horned Grebe, 2; Brown Pelican, 10; Double-crested Cormorant, 52; Am. Egret, 45; Snowy Egret, 1; Little Blue Heron, 15; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 1; White Ibis, 3; Wood Duck, 1; Lesser Scaup, 250 (est.); Red-breasted Merganser, 15; Turkey Vulture, 30; Black Vulture, 45; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 8; Sparrow Hawk, 2; Virginia Rail, 1; Killdeer, 5; Wilson's Snipe, 1; Spotted Sandpiper, 1; Pectoral Sandpiper, 1 [no details—Ed.]; Willet, 4; Least Sandpiper, 12; Herring Gull, 12; Ring-billed Gull, 35; Laughing Gull, 5; Bonaparte's Gull, 2; Common Tern, 1; Royal Tern, 25; Black Skimmer, 75 (est.); Mourning Dove, 20; Ground Dove, 1; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 1; Red-cockaded Woodpecker, 1; Eastern Phoebe, 4; Tree Swallow, 3; Blue Jay, 7; Am. Crow, 5; Tufted Titmouse, 3; Brown-headed Nuthatch, 1; House Wren, 1; Carolina Wren, 4; Short-billed Marsh Wren, 1; Mockingbird, 15; Catbird, 4; Brown Thrasher, 3; Am. Robin, 500 (est.); Hermit Thrush, 1; Eastern Bluebird, 15; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Myrtle Warbler, 50 (est.); Pine Warbler, 4; Palm Warbler, 2; Common Yellow-throat, 2; House Sparrow, 6; Eastern Meadowlark, 2; Red-winged Blackbird, 15; Boat-tailed Grackle, 1; Purple Grackle, 3; Cardinal, 3; Am. Goldfinch, 8; Eastern Towhee, 20; Sharp-tailed Sparrow, 1; Chipping Sparrow, 6; Field Sparrow, 1; Song Sparrow, 2. **Total,** 75 species; about 1420 individuals. —Steve B. Fickett, Jr.

185. Cocoa, Fla. (diameter from ocean across Banana and Indian Rivers through Cocoa to western end of Lake Poinsett; same area censused in 1951 as Audubon, Fla.; pine woods 50%, tidal estuaries 24%, towns and citrus groves 9%, prairie 8%, salt marsh 3%, fresh-water and marshes 3%, ocean, etc., 3%).—Dec. 25; 5:30 a.m. to 7:35 p.m. Mostly clear, ideal birding weather; temp. 52° to 76°; wind calm. Two observers within calling distance of each other all day. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 112 (14 on foot, 98 by car). Common Loon, 5; Horned Grebe, 26; Pied-billed Grebe, 38; White Pelican, 34; Brown Pelican, 400; Gannet, 3; Double-crested Cormorant, 500; Water-turkey, 26; Man-o'-war-bird, 1; Great Blue Heron, 46; Am. Egret, 65; Snowy Egret, 80; Louisiana Heron, 72; Little Blue Heron, 48; Green Heron, 5; Black-crowned Night Heron, 4; Yellow-crowned Night Heron, 2; Am. Bittern, 4; Least Bittern, 2; Wood Ibis, 11; White Ibis, 750; Mallard, 6; Black Duck, 2; Mottled Duck, 6; Gadwall, 10; Am. Widgeon, 200; Pintail, 350; Green-winged Teal, 12; Blue-winged Teal, 150; Shoveller, 65; Ring-necked Duck, 45; Canvas-back, 15; Lesser Scaup, 4000+; Ruddy Duck, 4; Red-breasted Merganser, 11; Turkey Vulture, 75; Black Vulture, 4; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 10; Bald Eagle, 4 (2 on nest); Marsh Hawk, 40; Osprey, 4; Sparrow Hawk, 48; Bob-white, 6; Sandhill Crane, 1; King Rail, 12; Clapper Rail, 1; Virginia Rail, 10; Sora, 15; Florida Gallinule, 11; Am. Coot, 2000+; Piping Plover, 25; Ringed Plover, 18; Killdeer, 100; Black-bellied Plover, 40; Ruddy Turnstone, 55; Wilson's Snipe, 64; Spotted Sandpiper, 2; Greater Yellow-legs, 32; Lesser Yellow-legs, 2; Red Knot, 34; Least Sandpiper, 40; Red-backed Sandpiper, 215; Dowitcher, 12; Semipalmated Sandpiper, 110;

Western Sandpiper, 8; Sanderling, 320; Herring Gull, 38; Ring-billed Gull, 400; Laughing Gull, 50; Bonaparte's Gull, 42; Forster's Tern, 11; Royal Tern, 93; Cabot's Tern, 2; Caspian Tern, 28; Black Skimmer, 25; Mourning Dove, 120; Ground Dove, 22; Screech Owl, 4; Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 36; Yellow-shafted Flicker, 40; Pileated Woodpecker, 3; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 6; Red-cockaded Woodpecker, 1; Eastern Phoebe, 40; Tree Swallow, 5000; Blue Jay, 12; Scrub Jay, 6; Am. Crow, 12; Fish Crow, 160; Brown-headed Nuthatch, 18; House Wren, 42; Carolina Wren, 12; Long-billed Marsh Wren, 4; Mockingbird, 50; Catbird, 18; Brown Thrasher, 2; Am. Robin, 1100+; Eastern Bluebird, 18; Blue-gray Gnatcatcher, 5; Water Pipit, 11; Cedar Waxwing, 6; Loggerhead Shrike, 38; White-eyed Vireo, 2; Solitary Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 240; Pine Warbler, 11; Palm Warbler, 100+ (mostly Western); Common Yellowthroat, 30; House Sparrow, 20; Eastern Meadowlark, 80; Red-winged Blackbird, 430; Boat-tailed Grackle, 80; Purple Grackle, 21; Cardinal, 32; Am. Goldfinch, 120; Eastern Towhee, 32; Savannah Sparrow, 150+; Vesper Sparrow, 2; Pine-woods Sparrow, 1; Swamp Sparrow, 28; Song Sparrow, 2. **Total,** 130 species (2 additional subspecies); about 19,222 individuals. Over 5000 additional ducks too distant for identification.—A. D. Cruickshank, H. G. Cruickshank.

186. Coot Bay—Everglades National Park, Fla. (area same as last year but unable to visit Sandy and Dildo Keys and East Cape Sable; mangrove 15%, hammock 15%, salt prairie 20%, lakes, bays and canal 50%).—Dec. 20; 6 a.m. to 6:30 p.m. Scattered clouds during day; temp. 70° to 78°; wind SE, 5 m.p.h. Twenty observers in 9 parties. Total party-hours, 89 (42½ on foot, 12 by car, 34½ by boat); total party-miles, 212 (37 on foot, 63 by car, 112 by boat). Common Loon, 5; Horned Grebe, 10; Pied-billed Grebe, 30; White Pelican, 2115 (700 est., 1415); Brown Pelican, 238; Double-crested Cormorant, 1201; Water-turkey, 31; Great White Heron, 94; Great Blue Heron, 166; Würdemann's Heron (hybrid), 1 (R.P.A.); Am. Egret, 862; Snowy Egret, 597; Reddish Egret, 2; Louisiana Heron, 359; Little Blue Heron, 181; Green Heron, 51; Black-crowned Night Heron, 121; Yellow-crowned Night Heron, 9; Am. Bittern, 1; Wood Ibis, 303; White Ibis, 927; Roseate Spoonbill, 216; Mottled Duck, 66; Gadwall, 2; Am. Widgeon, 258; Pintail, 374; Green-winged Teal, 75; Blue-winged Teal, 203; Shoveller, 1754 (1700 est., 54); Redhead, 1; Ring-necked Duck, 10; Lesser Scaup, 45,683 (45,500 est., 183); Ruddy Duck, 2504 (2500 est., 4); Red-breasted Merganser, 152; Turkey Vulture, 211; Black Vulture, 20; Sharp-shinned Hawk, 6; Cooper's Hawk, 1; Red-shouldered Hawk, 45; Broad-winged Hawk, 12; Short-tailed Hawk, 4; Bald Eagle, 13; Marsh Hawk, 49; Osprey, 38; Peregrine Falcon, 6; Pigeon Hawk, 2; Sparrow Hawk, 31; Clapper Rail, 1; Sora, 1; Am. Coot, 276; Ringed Plover, 1; Wilson's Plover, 16; Killdeer, 130; Black-bellied Plover, 241; Ruddy Turnstone, 2; Wilson's Snipe, 1; Long-billed Curlew, 2 (L.A.S.); Spotted Sandpiper, 23; Willet, 659; Greater Yellow-legs, 101; Lesser Yellow-legs, 196; Red Knot, 88 (H.P.B.) 659; Least Sandpiper, 56; Red-backed Sandpiper, 2448 (2400 est., 48); Dowitcher, 1130 (1000 est., 130); Semipalmated Sandpiper, 2611; Western Sandpiper, 4; Marbled Godwit, 87; Herring Gull, 7; Ring-billed Gull, 82; Laughing Gull, 650; Bonaparte's Gull, 25; Forster's Tern, 70; Royal Tern, 242; Caspian Tern, 43; Black Skimmer, 2441 (2100 est., 341); Mourning Dove, 26; Ground Dove, 50; Barn Owl, 4; Barred Owl, 8; Ruby-throated Hummingbird, 4; Belted Kingfisher, 112; Yellow-shafted Flicker, 6; Pileated Woodpecker, 11; Red-bellied Woodpecker, 70; Yellow-bellied Sapsucker, 1; Crested Flycatcher, 37; Eastern Phoebe, 60; Tree Swallow, 317; Am. Crow, 127; Fish Crow, 15; House Wren, 69; Carolina Wren, 4; Short-billed Marsh Wren, 4; Mockingbird, 83; Catbird, 101; Brown Thrasher, 4; Blue-gray Gnatcatcher, 182; Loggerhead Shrike, 1; White-eyed Vireo, 15; Solitary Vireo, 3; Black and White Warbler, 14; Worm-eating Warbler, 1 (F.E.O., F.C., A.I.T.); Blue-winged Warbler, 1 (C.M.B.); Orange-crowned Warbler, 26; Parula Warbler, 10; Cape May Warbler, 5 (D.P.); Black-throated Blue Warbler, 1; Yellow-throated Warbler, 2; Prairie Warbler, 11; Palm Warbler, 134; Oven-bird, 3; Common Yellowthroat, 177; Am. Redstart, 1; House Sparrow, 4; Eastern Meadowlark, 65; Red-winged Blackbird, 911; Boat-tailed Grackle, 42; Purple Grackle, 49; Cardinal, 49; Painted Bunting, 14; Am. Goldfinch, 422 (150 est., 272); Eastern Towhee, 3; Savannah Sparrow, 163; Grasshopper Sparrow, 76; Sharp-tailed Sparrow, 4; Swamp Sparrow, 44. **Total,** 126 species (and 1 hybrid); about 74,069 individuals. Seen in area Dec. 15: Am. Brant, 1 (C.T.H.); Dec. 16: Western Kingbird, 1; Dec. 23: Old-squaw, 1 (C.T.H.), captured a few days later and found slightly oiled; Dec. 18: Flamingo, 2 (Lake Ingraham, East Cape Sable)—Robert P. Allen, Robert F. Allen, Daniel C. Beard, Henry P. Bennett (compiler), Dave Bogaard, Charles M. Brookfield, Mrs. Frank Cox, Mrs. William V. Dee, Mrs. Roy N. Dickie, Jim Eggert, C. T. Hotchkiss, Dave Karraker, Mr. Frederick Kopf, Mrs. Eugene Miles, Earl Montgomery, Mrs. Flora E. O'Brien, Dennis Paulson, Mrs. Ruby Ruettger, Louis A. Stimson, Mrs. A. Taft.

187. Daytona Beach (Volusia Co.), Fla. (7½-mile radius centering on the southwest corner of Section 28, Range 30 east, Township 15 south; north to city limits of Daytona Beach, south to Spruce Creek, west to fire tower on U.S. 92, east as far as we could see over the Atlantic Ocean; and including "top" of Loop Drive; beach-dune 15%, salt marsh 15%, fresh-water marsh 5%, pine-palmetto flatwoods 25%, pasture 5%, deciduous forest 10%, residential areas 10%, plowed land 5%, sand bars in Halifax River 10%).—Dec. 29; 6:10 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 48° to 65°; wind NW to N, 0-12 m.p.h. Seventeen ob-

servers in 6 parties. Total party-hours, 53 (20 on foot, 33 by car); total party-miles, 208 (12 on foot, 196 by car). Common Loon, 2; Horned Grebe, 8; Pied-billed Grebe, 16; Brown Pelican, 129; Gannet, 36; Double-crested Cormorant, 723; Water-turkey, 3; Great Blue Heron, 26; Am. Egret, 105; Snowy Egret, 623; Louisiana Heron, 174; Little Blue Heron, 120; Black-crowned Night Heron, 1; Wood Ibis, 15; White Ibis, 1; Mallard, 2; Lesser Scaup, 349; Red-breasted Merganser, 22; Turkey Vulture, 60; Black Vulture, 73; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; Bald Eagle, 2; Marsh Hawk, 7; Osprey, 3; Sparrow Hawk, 38; Clapper Rail, 2; Florida Gallinule, 3; Am. Coot, 21; Piping Plover, 3; Ringed Plover, 2; Killdeer, 55; Black-bellied Plover, 50; Ruddy Turnstone, 142; Wilson's Snipe, 5; Willet, 1; Greater Yellow-legs, 2; Red Knot, 120; Red-backed Sandpiper, 5; Sanderling, 220; Herring Gull, 288; Ring-billed Gull, 1036; Laughing Gull, 49; Bonaparte's Gull, 67; Forster's Tern, 81; Royal Tern, 664; Black Skimmer, 2712; Mourning Dove, 16; Ground Dove, 47; Barred Owl, 1; Belted Kingfisher, 50; Yellow-shafted Flicker, 16; Pileated Woodpecker, 6; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 16; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 2; Eastern Phoebe, 44; Tree Swallow, 40; Blue Jay, 56; Scrub Jay, 8; Am. Crow, 62; Fish Crow, 525; Carolina Chickadee, 3; Tufted Titmouse, 8; Brown-headed Nuthatch, 7; House Wren, 26; Carolina Wren, 12; Mockingbird, 130; Catbird, 8; Brown Thrasher, 1; Am. Robin, 508; Eastern Bluebird, 20; Blue-gray Gnatcatcher, 22; Ruby-crowned Kinglet, 26; Loggerhead Shrike, 56; Common Starling, 61; White-eyed Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 132; Prairie Warbler, 1; Palm Warbler, 135 (Western, 134; Yellow, 1); Common Yellowthroat, 20; House Sparrow, 43; Eastern Meadowlark, 8; Red-winged Blackbird, 164; Rusty Blackbird, 1; Boat-tailed Grackle, 15; Purple Grackle, 36; Brown-headed Cowbird, 6; Cardinal, 56; Am. Goldfinch, 111; Eastern Towhee, 30; Savannah Sparrow, 39; Chipping Sparrow, 35; Field Sparrow, 8; White-throated Sparrow, 9; Swamp Sparrow, 17; Song Sparrow, 13. **Total,** 101 species (1 additional subspecies); 10,787 individuals. (Seen in area Dec. 25, 1 Solitary Vireo.)—Kenneth Hunter, Frank S. James, Mrs. Rose Block, Mrs. J. C. Killian, Mr. & Mrs. Carl Hamann, Florence King, Lillian Hart, Mabel T. Rogers, Dr. Ruth Rogers, Orlo Perry, Mr. & Mrs. Conrad H. Ekdahl, Mr. & Mrs. Kieth Whitehouse, Mrs. Hiram G. Farr, Dennis E. Miller.

188. Jacksonville, Fla. (area substantially the same as in previous years).—Dec. 28; 5 a.m. to 6 p.m. Cloudy to partly cloudy; temp. 49° to 46°; wind NW, 8-10 m.p.h.; light rain between 5 and 6 a.m. Eleven observers in 4 parties. Total party-hours, 43 (18 on foot, 25 by car); total party-miles, 253 (26 on foot, 227 by car). Red-throated Loon, 1; Horned Grebe, 2; Pied-billed Grebe, 18; Brown Pelican, 300 (275±25); Gannet, 5; Double-crested Cormorant, 34; Water-turkey, 2; Great Blue Heron, 35; Am. Egret, 15; Snowy Egret, 21; Louisiana Heron, 4; Little Blue Heron, 14; Green Heron, 3; Black-crowned Night Heron, 12; Black Duck, 5; Pintail, 4; Green-winged Teal, 3; Blue-winged Teal, 4; Wood Duck, 6; Ring-necked Duck, 13; Lesser Scaup, 66; Am. Golden-eye, 2; White-winged Scoter, 1; Hooded Merganser, 12; Red-breasted Merganser, 44; Turkey Vulture, 36; Black Vulture, 17; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 7; Bald Eagle, 4; Marsh Hawk, 18; Osprey, 1; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 27; Clapper Rail, 34; Florida Gallinule, 8; Am. Coot, 80; Piping Plover, 2; Ringed Plover, 55; Killdeer, 13; Black-bellied Plover, 21; Ruddy Turnstone, 26; Wilson's Snipe, 3; Spotted Sandpiper, 1; Willet, 1; Greater Yellow-legs, 12; Lesser Yellow-legs, 1; Red Knot, 5; Least Sandpiper, 22; Red-backed Sandpiper, 64; Dowitcher, 3; Semipalmated Sandpiper, 1; Western Sandpiper, 33; Sanderling, 126; Herring Gull, 420 (300±100, 20); Ring-billed Gull, 1029 (800±100, 129); Laughing Gull, 400 (300±100); Bonaparte's Gull, 30; Forster's Tern, 432 (250±50, 132); Royal Tern, 439 (400 est., 39); Caspian Tern, 20; Black Skimmer, 902 (700±200, 2); Mourning Dove, 32; Ground Dove, 36; Screech Owl, 1; Belted Kingfisher, 26; Yellow-shafted Flicker, 18; Pileated Woodpecker, 3; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Eastern Phoebe, 25; Tree Swallow, 107 (75±25, 7); Blue Jay, 26; Am. Crow, 6; Fish Crow, 138; Carolina Chickadee, 60; Tufted Titmouse, 26; House Wren, 23; Carolina Wren, 17; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 1; Mockingbird, 68; Catbird, 32; Brown Thrasher, 4; Am. Robin, 2090 (2000 est., 90); Hermit Thrush, 40; Eastern Bluebird, 206; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 130; Water Pipit, 14; Cedar Waxwing, 200 (150±50); Loggerhead Shrike, 25; Common Starling, 600 (500±100); White-eyed Vireo, 2; Black and White Warbler, 1; Orange-crowned Warbler, 11; Myrtle Warbler, 1562 (1400±100, 62); Palm Warbler, 440 (400 est., 40); Common Yellowthroat, 17; House Sparrow, 30; Eastern Meadowlark, 15; Red-winged Blackbird, 122; Boat-tailed Grackle, 2; Cardinal, 38; Painted Bunting, 1; Am. Goldfinch, 246 (200 est., 46); Eastern Towhee, 283 (200 est., 83); Savannah Sparrow, 240 (200 est., 40); Sharp-tailed Sparrow, 10; Vesper Sparrow, 4; Chipping Sparrow, 18; Field Sparrow, 2; White-throated Sparrow, 296; Swamp Sparrow, 2; Song Sparrow, 19. **Total,** 121 species; 12,269 individuals. (Unidentified ducks, 222; seen in area in December, previous to census, Oven-bird, 1.)—Charlotte Buckland, Mrs. Jaunita Coble, Mrs. Morris Cultra, Wilbur Y. Gary, J. C. Geiger, Samuel A. Grimes, Ed. Hopkins, Kenneth Hughs, Ronald Jones, Miss Helen Kickliter, Reg. R. McKay (compiler, Duval County Audubon Society).

189. Lower Florida Keys (Monroe Co.), Fla. (same as last year; keys and connecting bridges

along overseas highway from west end of Seven-mile bridge and including Big Pine Key; ocean and gulf 20%, beaches and sand bars 30%, salt water ponds and mud flats 20%, mangrove swamp 10%, pine-palm forest 10%, tropical hammock 5%, cleared area 5%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Clear; temp. 60° to 79°; wind N to NE, 10-15 m.p.h. Three observers in 1 party. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 25 (6 on foot, 19 by car). Brown Pelican, 10; Double-crested Cormorant, 44; Man-o'-war-bird, 5; Great White Heron, 7; Great Blue Heron, 2; Am. Egret, 2; Louisiana Heron, 13; Little Blue Heron, 3; White Ibis, 1; Red-breasted Merganser, 31; Turkey Vulture, 10; Red-shouldered Hawk, 3; Broad-winged Hawk, 8; Bald Eagle, 1; Marsh Hawk, 5; Osprey, 3; Pigeon Hawk, 1; Sparrow Hawk, 20; Piping Plover, 2; Ringed Plover, 11; Killdeer, 10; Black-bellied Plover, 25; Ruddy Turnstone, 27; Least Sandpiper, 71; Red-backed Sandpiper, 20; Dowitcher, 61; Semipalmated Sandpiper, 2; Sanderling, 51; Herring Gull, 3; Ring-billed Gull, 6; Laughing Gull, 36; Bonaparte's Gull, 1; Royal Tern, 129; Mourning Dove, 8; Ground Dove, 2; Barn Owl, 1; Belted Kingfisher, 10; Red-bellied Woodpecker, 2; Eastern Phoebe, 1; Mockingbird, 2; Catbird, 8; Blue-gray Gnatcatcher, 9; Water Pipit, 1; Parula Warbler, 1; Yellow-throated Warbler, 1; Prairie Warbler, 4; Palm Warbler, 92; Am. Redstart, 1; Common Yellowthroat, 6; Red-winged Blackbird, 26; Cardinal, 1; Am. Goldfinch, 9; Savannah Sparrow, 35. **Total,** 53 species; 844 individuals. (Seen in area Dec. 27: a flock of Tree Swallows flying southwest.)—Mrs. Guy E. Bonney (compiler), Adele Koto, Mrs. V. Lile.

190. Miami, Fla. (same as last 2 years; open woods-parks 24%, pine woods 5%, hammock jungle 2%, dry prairie (pasture-everglades) 25%, marsh 9%, salt water shore 14%, fresh-water shore 3%, residential 18%).—Dec. 28; 6:30 a.m. to 8:30 p.m. Dark overcast to clear to partly cloudy; temp. 65° to 73°; wind N, ave. 7½ m.p.h. Fourteen observers in 6 parties. Total party-hours, 55¼ (33¼ on foot, 22 by car); total party-miles, 193¾ (22½ on foot, 181¼ by car). Common Loon, 1; Pied-billed Grebe, 22; Brown Pelican, 287; Double-crested Cormorant, 332; Great Blue Heron (Ward's), 31; Am. Egret, 11; Snowy Egret, 1; Louisiana Heron, 1; Little Blue Heron, 55; Green Heron, 6; Yellow-crowned Night Heron, 1; Am. Bittern, 1; Mallard, 21; Green-winged Teal, 22; Blue-winged Teal, 180; Shoveller, 150; Ring-necked Duck, 29; Lesser Scaup, 618; Red-breasted Merganser, 36; Turkey Vulture, 160; Black Vulture, 20; Sharp-shinned Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 9; Broad-winged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 22; Osprey, 16; Peregrine Falcon, 2; Sparrow Hawk, 92; Bob-white, 52; Clapper Rail (Florida), 3; Sora, 4; Florida Gallinule, 10; Am. Coot, 594; Piping Plover, 2; Ringed Plover, 23; Wilson's Plover, 22; Killdeer, 412; Black-bellied Plover, 61; Ruddy Turnstone, 155; Wilson's Snipe, 25; Spotted Sandpiper, 3; Least Sandpiper, 5; Red-backed Sandpiper, 15; Dowitcher, 69; Semipalmated Sandpiper, 8; Sanderling, 251; Herring Gull, 17; Ring-billed Gull, 777; Laughing Gull, 97; **Bonaparte's Gull,** 113; **Forster's Tern,** 4 (L.A.S., E.D.); Royal Tern, 47; Caspian Tern, 2; **Black Skimmer,** 6 (E.D.); Mourning Dove, 196; Ground Dove, 30; Barn Owl, 2; Screech Owl, 1; Burrowing Owl, 36; Whip-poor-will, 2; Ruby-throated Hummingbird, 19; Belted Kingfisher, 31; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 67; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 5; Crested Flycatcher, 5; Eastern Phoebe, 100; Tree Swallow, 79; Blue Jay, 65; House Wren, 74; Carolina Wren, 14; **Long-billed Marsh Wren,** 2 (L.A.S.); Mockingbird, 170; Catbird, 59; Brown Thrasher, 4; Am. Robin, 20; Blue-gray Gnatcatcher, 123; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 60; White-eyed Vireo, 5; Solitary Vireo, 6; Black and White Warbler, 4; **Worm-eating Warbler,** 1 (D.P., F.B.K.); Orange-crowned Warbler, 9; Parula Warbler, 1; Cape May Warbler, 1; Myrtle Warbler, 59; **Black-throated Gray Warbler,** 1 (back, wings gray, 2 white wing bars, triangular black area on throat, top of head black, cheeks black, white lines above and below cheek patch, yellow loral spots seen by James; note like Myrtle Warbler, but much subdued; reported by 3 persons prior to week of Count); Black-throated Green Warbler, 2; Yellow-throated Warbler, 10; Prairie Warbler, 12; Palm Warbler (Western), 179; Oven-bird, 3; Common Yellow-throat, 90; **Black-capped Warbler,** 1 (seen prior to Count; complete description furnished — D.J., F.B.K.); House Sparrow, 156; Eastern Meadowlark, 53; Red-winged Blackbird, 939 (600, 339); **Baltimore Oriole,** 3 (at Parrot Jungle, well seen—D.P., F.B.K.); Boat-tailed Grackle, 60; Brown-headed Cowbird, 12; Cardinal, 95; Indigo Bunting, 2; Painted Bunting, 44; Am. Goldfinch, 289; Eastern Towhee (White-eyed), 11; Savannah Sparrow, 67; Grasshopper Sparrow, 18; **Swamp Sparrow,** 9. **Total,** 113 species; about 8241 individuals. (Seen in area during count week: Magnificent Frigate-bird.) —William G. Atwater, Anna Cox, Eva Dickie, Edward and Lois Hill, Douglas James, Frederick B. Kopf, Flora E. O'Brien, Dennis Paulson, Wayne Short, Charlotte M. Steele, Dorothy Stimson, Louis A. Stimson (compiler), Lucita H. Wait (Dade Ornithologists).

191. Monroe, Fla. (same as previous years, 7½-mile radius centering on Collier-Monroe county line 7 miles west of Dade County line; canal banks, cypress swamp, everglades, a few small pine areas). —Dec. 23; 6:30 a.m. to 6:30 p.m. Clear; temp. 50° to 73°; no wind. Ten observers in 5 parties in a.m.; 7 in one party in p.m. Total party-hours, 36 (28 on foot, 8 by car), total party-miles, 67 (23 on foot, 44 by car). Pied-billed Grebe, 4; Water-turkey, 26; Great White Heron, 1; Great Blue Heron (Ward's), 93; Am. Egret, 3529 (2000, 1529); Snowy Egret, 319; Louisiana Heron, 1169 (1000, 169); Little Blue Heron, 5727 (5000, 727); Green Heron, 36; Black-crowned Night Heron, 122; Yellow-crowned Night Heron, 1; Am. Bittern, 23; Wood Ibis, 183; Glossy Ibis, 1; White Ibis,

23,437 (21,500, 1937); Turkey Vulture, 166; Black Vulture, 27; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 63; Bald Eagle, 1; Marsh Hawk, 5; Osprey, 1; Sparrow Hawk, 7; Turkey, 2; Limpkin, 7; King Rail, 20; Florida Gallinule, 19; Am. Coot, 20; Killdeer, 9; Mourning Dove, 6; Barred Owl, 16; Belted Kingfisher, 143; Yellow-shafted Flicker, 8; Pileated Woodpecker, 13; Red-bellied Woodpecker, 36; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 10; Crested Flycatcher, 26; Eastern Phoebe, 52; Tree Swallow, 12; Blue Jay, 13; Am. Crow, 85; Tufted Titmouse, 39; House Wren, 27; Carolina Wren, 67; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 2; Mockingbird, 49; Catbird, 51; Brown Thrasher, 3; Eastern Bluebird, 9; Blue-gray Gnatcatcher, 300; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 3; White-eyed Vireo, 40; Solitary Vireo, 13; Black and White Warbler, 14; Orange-crowned Warbler, 29; Parula Warbler, 8; Myrtle Warbler, 120; Black-throated Green Warbler, 1 (sighted twice, 1 mile apart—possibly 2 individuals—seen by all observers); Yellow-throated Warbler, 6; Pine Warbler, 21; Prairie Warbler, 11; Palm Warbler (Western), 108; Oven-bird, 5; Northern Water-thrush, 4; Common Yellow-throat, 211; Am. Redstart, 1; Eastern Meadowlark, 12; Red-winged Blackbird, 43; Boat-tailed Grackle, 270; Purple Grackle, 238; Cardinal, 65; Painted Bunting, 1; Am. Goldfinch, 105; Eastern Towhee, 11; Swamp Sparrow, 22. **Total,** 78 species; about 37,359 individuals.—W. G. Atwater, D. Conkle, Anna Cox, Dorothy Dee, Eva Dickie, F. B. Kopf, D. Paulson, Ruby Ruettger, Dorothy Stimson, L. A. Stimson (compiler).

192. Okeechobee, Fla. (7½-mile radius centering on a point 6 miles west of Okeechobee on U.S. Route 98; prairie 40%, fresh-water marshes 25%, fresh-water lakes and ponds 15%, pine and mixed woods 5%, farmland and citrus groves 5%, Kissimmee River 4%, cypress-gum swamps 4%, towns 2%).—Dec. 28; 8 a.m. to 5:30 p.m. Cloudy with intermittent light rain; temp. 45° to 55°; wind NE, 5 to 15 m.p.h. One observer. Total hours, 9½; total miles, 66 (3 on foot, 63 by car). Pied-billed Grebe, 32; Double-crested Cormorant, 8; Water-turkey, 12; Great Blue Heron, 24; Am. Egret, 58; Snowy Egret, 150 (est.); Louisiana Heron, 18; Little Blue Heron, 34; Green Heron, 5; Wood Ibis, 18; Glossy Ibis, 18; White Ibis, 450 (est.); Mottled Duck, 4; Am. Widgeon, 36; Blue-winged Teal, 28; Ring-necked Duck, 85; Lesser Scaup, 62; Hooded Merganser, 43; Turkey Vulture, 20; Black Vulture, 50 (est.); Red-shouldered Hawk, 12; Bald Eagle, 3; Marsh Hawk, 33; Audubon's Caracara, 3; Sparrow Hawk, 24; Sandhill Crane, 2; Sora, 1; Florida Gallinule, 29; Am. Coot, 600 (est.); Killdeer, 60 (est.); Wilson's Snipe, 6; Greater Yellow-legs, 3; Herring Gull, 5; Ring-billed Gull, 33; Bonaparte's Gull, 2; Black Skimmer, 7; Mourning Dove, 18; Ground Dove, 21; Belted Kingfisher, 16; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 8; Eastern Phoebe, 31; Tree Swallow, 800 (est.); Blue Jay, 2; Am. Crow, 26; Fish Crow, 60 (est.); Long-billed Marsh Wren, 2; Mockingbird, 37; Catbird, 1; Am. Robin, 350 (est.); Eastern Bluebird, 15; Loggerhead Shrike, 17; Palm Warbler, 50 (est.); Common Yellowthroat, 12; House Sparrow, 8; Eastern Meadowlark, 84 (50 est., 34); Red-winged Blackbird, 37; Boat-tailed Grackle, 150 (est.); Cardinal, 3; Am. Goldfinch, 30; Savannah Sparrow, 155 (100 est., 55); Swamp Sparrow, 8. **Total,** 62 species; about 3921 individuals. (Seen in area previous week: Ruddy Duck, Caspian Tern, Blue-gray Gnatcatcher, Song Sparrow.)—Richard H. Adelson.

193. Panacea, Fla. (limits of circle and coverage about as in 1951; Gulf beach 10%, bay shores 10%, fresh-water ponds 14%, Ochlockonee River [in canoe] 10%, fresh water marshes 5%, salt marshes 7%, cypress-gum swamps 3%, cultivated fields 1%, pastures and old fields 3%, pine and mixed woods 18%, hardwood forests 8%, roadside [by car] 10%, residential sections 1%).—Dec. 27; 7 a.m. to 6 p.m. Cloudy; rain in afternoon; temp. 45° to 55°; wind NNW, ave. 4.5 m.p.h. Nine observers in 4 parties. Total party-hours, 38½ (27½ on foot, 4 by car, 7 by canoe); total party-miles, 132½ (33 on foot, 91 by car, 8½ by canoe). **Common Loon,** 200; Red-necked Grebe, 2 (H.S.; in flight; 10x glasses; larger, darker than Horned Grebe); Horned Grebe, 14; Pied-billed Grebe, 8; Brown Pelican, 220; Double-crested Cormorant, 50; Water-turkey, 2 (R.W.); Great Blue Heron, 24; Am. Egret, 14; Snowy Egret, 1; Louisiana Heron, 6; Little Blue Heron, 1; Canada Goose, 720; Mallard, 90; Black Duck, 83; Pintail, 45; **Wood Duck,** 145; Ring-necked Duck, 17; scaup (sp.), 1150; Am. Golden-eye, 11; Buffle-head, 11; White-winged Scoter, 2 (H.S.; im. males seen with 10x glasses; elongate light patch on sides of head); Hooded Merganser, 13; Red-breasted Merganser, 40; Turkey Vulture, 24; Black Vulture, 60; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 5; Bald Eagle, 2; Marsh Hawk, 3; Osprey, 1 (H.S.); Sparrow Hawk, 7; Bob-white, 6; Clapper Rail, 5; **Sora,** 4; Am. Coot, 1000; Piping Plover, 30; **Snowy Plover,** 20; Ringed Plover, 20; Killdeer, 16; Black-bellied Plover, 43; Ruddy Turnstone, 10; Wilson's Snipe, 2; Spotted Sandpiper, 1 (R.W., J.C.); Willet, 250; Greater Yellow-legs, 3; Least Sandpiper, 20; Red-backed Sandpiper, 640; Dowitcher, 125; Semipalmated Sandpiper, 50; Western Sandpiper, 10; Marbled Godwit, 75; Sanderling, 190; Herring Gull, 75; Ring-billed Gull, 250; Laughing Gull, 38; Bonaparte's Gull, 4; Forster's Tern, 9; Royal Tern, 15; Black Skimmer, 60; Mourning Dove, 30; Ground Dove, 16; Screech Owl, 2 (2 others found dead); Horned Owl, 5; Barred Owl, 2; Belted Kingfisher, 20; Yellow-shafted Flicker, 20; Pileated Woodpecker, 8; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 12; Red-cockaded Woodpecker, 3; Eastern Phoebe, 29; Tree Swallow, 35; Blue Jay, 47; Am. Crow, 30; Fish Crow, 90; Carolina Chickadee, 26; Tufted Titmouse, 11; Brown-headed Nuthatch, 25; House Wren, 30; Winter Wren, 2;

Carolina Wren, 25; Long-billed Marsh Wren, 11; Short-billed Marsh Wren, 9; Mockingbird, 53; Catbird, 14; Brown Thrasher, 10; Am. Robin, 1150; Hermit Thrush, 14; Eastern Bluebird, 75; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 47; Water Pipit, 50; Cedar Waxwing, 27; Loggerhead Shrike, 11; Solitary Vireo, 5; Orange-crowned Warbler, 1; Myrtle Warbler, 620; Yellow-throated Warbler, 1; Pine Warbler, 10; Palm Warbler (both races), 12; Common Yellowthroat, 33; House Sparrow, 10; Eastern Meadowlark, 14; Red-winged Blackbird, 570; Boat-tailed Grackle, 2; Purple Grackle, 50; Cardinal, 46; Purple Finch, 3 (H.S.); Am. Goldfinch, 195; Eastern Towhee, 101; Savannah Sparrow, 16; Sharp-tailed Sparrow, 2; Seaside Sparrow, 3; Vesper Sparrow, 25; Pine-woods Sparrow, 1; Chipping Sparrow, 40; Field Sparrow, 14; White-throated Sparrow, 43; Swamp Sparrow, 44; Song Sparrow, 30. **Total,** 126 species (1 additional subspscies); about 9799 individuals. Seen outside circle: Gannet (Marshall), Whip-poor-will (Cross).—Jack Champion, Lou Cross, William H. Cross, Edgar Evans, Helen Frasier Harrison, Henry M. Stevenson, Marvin Wass, Richard West, Roy Winslow.

194. Pensacola, Fla. (same territory as for many years; city and suburban 10%, open bay and bay shores [largely by car] 25%, scrub oak 2%, mature live oak and deciduous woods 18%, pine woods 17%, pastures and cut-over woods [largely by car] 16%, wooded swamps 2%, fresh-water ponds 6%, salt marsh 1%, Gulf beach and dunes 3%).—Dec. 20; 7:30 a.m. to 5:30 p.m. Partly cloudy in a.m., clear in p.m.; temp. 57° to 71°; wind W, 13-17 m.p.h.; ground bare, very dry, water levels very low. Ten observers in 3 parties. Total party-hours, 29 (15 on foot, 14 by car); total party-miles, 142 (16 on foot, 126 by car). Comon Loon, 22; Horned Grebe, 26; Pied-billed Grebe, 8; Brown Pelican, 61; Gannet, 2; Double-crested Cormorant, 279; Great Blue Heron, 8; Mallard, 6; Redhead, 3; Lesser Scaup, 151; Am. Golden-eye, 7; Buffle-head, 16; Red-breasted Merganser, 27; Turkey Vulture, 3; Black Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 1 (at nest); Pigeon Hawk, 1; Sparrow Hawk, 7; Clapper Rail, 1; Piping Plover, 2; Killdeer, 59; Black-bellied Plover, 33; Red Knot, 1 (previously unknown in winter; identified by size in comparison with accompanying Black-bellied Plover, lack of diagnostic markings, medium bill length; same individual seen several times during the fall—L.E.G., A.M.McM., L.E.P.); Red-backed Sandpiper, 2; Sanderling, 99; Herring Gull, 107; Ring-billed Gull, 125; Laughing Gull, 20; Bonaparte's Gull, 8; Forster's Tern, 20; Common Tern, 6; Royal Tern, 69; Black Skimmer, 20; Mourning Dove, 28; Belted Kingfisher, 11; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Eastern Phoebe, 22; Blue Jay, 40; Am. Crow and Fish Crow, 75; Carolina Chickadee, 15; Tufted Titmouse, 28; Brown-headed Nuthatch, 8; Brown Creeper, 1; House Wren, 16; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 8; Short-billed Marsh Wren, 1; Mockingbird, 37; Catbird, 1; Brown Thrasher, 9; Am. Robin, 192; Hermit Thrush, 4; Eastern Bluebird, 29; Blue-gray Gnatcatcher, 25; Golden-crowned Kinglet, 56; Ruby-crowned Kinglet, 93; Water Pipit, 59; Cedar Waxwing, 16; Loggerhead Shrike, 27; Common Starling, 58; Solitary Vireo, 4; Orange-crowned Warbler, 6; Myrtle Warbler, 244; Black-throated Green Warbler, 1 (second winter record in 37 years; identified by yellow cheeks, black throat —L.E.G., A.M.McM., L.E.P.); Yellow-throated Warbler, 1; Pine Warbler, 60; Palm Warbler, 41 (both races identified); Common Yellowthroat, 6; House Sparrow, 73; Eastern Meadowlark, 5; Red-winged Blackbird, 225; Brown-headed Cowbird, 200 (est.); Cardinal, 18; Am. Goldfinch, 120; Eastern Towhee, 21; Savannah Sparrow, 10; Seaside Sparrow, 3; Vesper Sparrow, 17; Chipping Sparrow, 45; Field Sparrow, 54; White-throated Sparrow, 362; Swamp Sparrow, 17; Song Sparrow, 26. **Total,** 93 species (1 additional subspecies); about 3653 individuals. (Seen in area on Dec. 21: 1 each of Marsh Hawk, Willet, Screech Owl, Yellow-bellied Sapsucker, Western Tanager [in full sunlight at 25 ft. with 7x binoculars; tanager bill, yellow underparts, conspicuous wing-bars — F.M.W.].) — Frank Bray, Lyman E. Goodnight, Angus M. McMillan, Jr., Lennie E. Pate, Lewis Pollak, Alan C. Sheppard, Maleta M. Wernicke, Francis M. Weston (compiler), Geneva W. Weston, A. Frederick Wicke, Jr.

195. Rock Harbor, Fla. (7½-radius centering at Rock Harbor, Fla.; tropical brush 40%, mangrove 35%, town areas 10%, coral beaches and shorelines 10%, open fields 5%).—Dec. 29; 6:30 a.m. to 5:50 p.m. Clear; temp. 63° to 76°; wind N, 10-15 m.p.h., gusts to 20 m.p.h. Two observers in 2 parties. Total party-hours, 22 (19 on foot, 3 by car); total party-miles, 54 (20 on foot, 34 by car). Brown Pelican, 33; Double-crested Cormorant, 80; Man-o'-war-bird, 4; Great Blue Heron, 5; Am. Egret, 27; Snowy Egret, 6; Louisiana Heron, 8; Little Blue Heron, 3; Green Heron, 1; Wood Ibis, 6; **Roseate Spoonbill,** 66 (Tavernier); Red-breasted Merganser, 6; Turkey Vulture, 65; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Broad-winged Hawk, 24; Short-tailed Hawk, 2 (one black phase); Marsh Hawk, 4; Osprey, 10; Sparrow Hawk, 37; Killdeer, 13; Black-bellied Plover, 13; Ruddy Turnstone, 6; Spotted Sandpiper, 12; Greater Yellow-legs, 1; Dowitcher, 1; Herring Gull, 1; Ring-billed Gull, 58; Laughing Gull, 1; Royal Tern, 13; Caspian Tern, 1; Mourning Dove, 36; Ground Dove, 56; **White-winged Dove,** 1 (round tail, white wing patches); Barn Owl, 3; Screech Owl, 1; **Chuck-will's-widow,** 2 (buffy tail feathers, larger size in comparison with Whip-poor-will); Whip-poor-will, 3; Ruby-throated Hummingbird, 2; Belted Kingfisher, 5; Red-bellied Woodpecker, 8; Crested Flycatcher, 1; Eastern Phoebe, 30; Tree Swallow, 1; White-breasted Nuthatch, 1; House Wren, 13; Catbird, 332; Mocking-

bird, 43; Blue-gray Gnatcatcher, 93; Cedar Waxwing, 1; Loggerhead Shrike, 4; White-eyed Vireo, 6; Solitary Vireo, 2; Orange-crowned Warbler, 5; Myrtle Warbler, 4; Prairie Warbler, 17; Palm Warbler, 304 (all Yellow); Oven-bird, 1; Common Yellowthroat, 23; House Sparrow, 27; Red-winged Blackbird, 54; Cardinal, 81; Painted Bunting, 1; Am. Goldfinch, 48; Savannah Sparrow, 106; Pine-woods Sparrow, 3 [no details—Ed.]; White-crowned Sparrow, 2 [no details—Ed.]. **Total,** 69 species; about 1833 individuals. (Great density of landbirds, Catbirds, Palm Warblers, etc., but counts not comparable to others due to small amount of land area in the circle—less than 20%.)—Thomas L. Poulson, William J. Hamilton III (compiler).

196. St. Marks, Fla. (limits of circle as in previous years, but one new area covered; bay shores 12%, fresh-water and brackish lakes and ponds 8%, Wakulla River [in canoe] 16%, fresh-water marshes 3%, salt marshes 7%, cypress-gum swamps 1%, fields and pastures 7%, pine and mixed woods 23%, hardwood forests 15%, roadside [by car] 7%, residential sections 1%).—Dec. 22; 6:45 a.m. to 6 p.m. Mostly cloudy; temp. 32° to 63°; wind S, (at Tallahassee) 0-8 m.p.h. Nine observers in 6 parties. Total party-hours, 61 (46½ on foot, 5 by car, 9½ by canoe); total party-miles, 155 (52 on foot, 91 by car, 12 by canoe). Common Loon, 17; **Horned Grebe,** 52; Pied-billed Grebe, 62; White Pelican 12; Double-crested Cormorant, 127; **Water-turkey,** 51; Great Blue Heron, 36; Am. Egret, 350; **Snowy Egret,** 40; Louisiana Heron, 17; **Little Blue Heron,** 28; Black-crowned Night Heron, 4; **Am. Bittern,** 2; Canada Goose, 2000; Blue Goose, 10; Mallard, 100; Black Duck, 50; **Gadwall,** 440; Am. Widgeon, 270; Pintail, 350; Green-winged Teal, 460; Blue-winged Teal, 5; Shoveller, 26; Wood Duck, 34; Redhead, 45; **Ring-necked Duck,** 385; Canvas-back, 9; Greater Scaup, 1; Lesser Scaup, 130; unidentified scaup, 350; Am. Golden-eye, 3; Buffle-head, 10; Ruddy Duck, 9; **Hooded Merganser,** 50; Am. Merganser, 2 (D.J.); **Red-breasted Merganser,** 360; Turkey Vulture, 97; Black Vulture, 170; **Sharp-shinned Hawk,** 4; Cooper's Hawk, 2; Red-tailed Hawk, 8; **Red-shouldered Hawk,** 19; Bald Eagle, 6; **Marsh Hawk,** 19; Osprey, 2 (2 parties); **Sparrow Hawk,** 11; **Limpkin,** 11; Clapper Rail, 14; Sora, 2; Florida Gallinule, 22; Am. Coot, 3500; Ringed Plover, 19; **Killdeer,** 38; Black-bellied Plover, 8; Ruddy Turnstone, 5; **Wilson's Snipe,** 21; Willet, 19; Greater Yellow-legs, 31; peep (sp.), 100; Least Sandpiper, 26; Red-backed Sandpiper, 130; Dowitcher, 2; Semipalmated Sandpiper, 10; Herring Gull, 38; Ring-billed Gull, 140; **Laughing Gull,** 5; **Bonaparte's Gull,** 2 (R.W.); **Forster's Tern,** 18; **Royal Tern,** 3; Black Skimmer, 1; **Mourning Dove,** 150; Ground Dove, 4; **Screech Owl,** 1; Horned Owl, 5; **Barred Owl,** 13; Belted Kingfisher, 30; Yellow-shafted Flicker, 53; **Pileated Woodpecker,** 29; **Red-bellied Woodpecker,** 60; Red-headed Woodpecker, 4; **Yellow-bellied Sapsucker,** 18; Hairy Woodpecker, 3; **Downy Woodpecker,** 28; **Red-cockaded Woodpecker,** 6; **Eastern Phoebe,** 75; Vermilion Flycatcher, 2; Tree Swallow, 380; **Blue Jay,** 78; **Am. Crow,** 132; Fish Crow, 4; Carolina Chickadee, 72; **Tufted Titmouse,** 48; **Brown-headed Nuthatch,** 66; Brown Creeper, 2; **House Wren,** 34; Winter Wren, 3; **Carolina Wren,** 81; **Long-billed Marsh Wren,** 30; **Short-billed Marsh Wren,** 22; **Mockingbird,** 86; **Catbird,** 29; Brown Thrasher, 15; Am. Robin, 500; **Hermit Thrush,** 27; **Eastern Bluebird,** 97; **Blue-gray Gnatcatcher,** 24; **Golden-crowned Kinglet,** 55; **Ruby-crowned Kinglet,** 190; **Water Pipit,** 190; Cedar Waxwing, 32; **Loggerhead Shrike,** 21; Common Starling, 50; White-eyed Vireo, 2; **Solitary Vireo,** 13; **Black and White Warbler,** 11; Orange-crowned Warbler, 7; **Myrtle Warbler,** 1320; Yellow-throated Warbler, 4; Pine Warbler, 24; Palm Warbler (both races), 19; **Oven-bird,** 1 (D.J.); **Common Yellowthroat,** 52; House Sparrow, 6; **Eastern Meadowlark,** 93; Red-winged Blackbird, 630; Rusty Blackbird, 16; **Boat-tailed Grackle,** 265; Purple Grackle, 22; **Cardinal,** 112; **Pine Siskin,** 4 (3 parties); Am. Goldfinch, 94; Eastern Towhee, 105; **Savannah Sparrow,** 51; Sharp-tailed Sparrow, 15; Seaside Sparrow, 17; Vesper Sparrow, 15; **Pine-woods Sparrow,** 2; Chipping Sparrow, 6; Field Sparrow, 25; **White-throated Sparrow,** 190; **Swamp Sparrow,** 109; Song Sparrow, 58. **Total,** 140 species; about 16,437 individuals. (Seen in area Dec. 29: Yellow-crowned Night Heron; seen recently just outside circle: White Ibis, Snow Goose, Am. Avocet, Sprague's Pipit.)—Jack Champion, William H. Cross, Edgar Evans, Douglas James, John MacGowan, Stephen M. Russell, Henry M. Stevenson, Marvin Wass, Richard West.

197. St. Petersburg, Fla. (Pinellas Peninsular south of Largo; sea beaches and lake shores 60%, roadside 15%, pine woods 15%, orange grove and deciduous woods 7%, golf courses 3%).—Dec. 26; 7 a.m. to 5 p.m. Overcast to clearing; temp. 61° to 72°; wind WSW, 0-1 m.p.h. Twenty-seven observers in 10 parties. Total party-hours, 80½ (39 on foot, 41½ by car); total party-miles, 207½ (29½ on foot, 178 by car). Common Loon, 11; Horned Grebe, 7; Pied-billed Grebe, 20; Brown Pelican, 212; Double-crested Cormorant, 528; Water-turkey, 5; Great Blue Heron, 45; Am. Egret, 78; Snowy Egret, 82; Louisiana Heron, 28; Little Blue Heron, 58; Green Heron, 8; Black-crowned Night Heron, 4; Yellow-crowned Night Heron, 21; Wood Ibis, 1; White Ibis, 106; Blue-winged Teal, 3; Redhead, 10; Ring-necked Duck, 38; Canvas-back, 3; Lesser Scaup, 1437; Ruddy Duck, 2; Red-breasted Merganser, 287; Turkey Vulture, 100; Black Vulture, 27; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 6; Bald Eagle, 18; Marsh Hawk, 9; Osprey, 1; Pigeon Hawk, 4; Sparrow Hawk, 32; Bob-white, 73; Florida Gallinule, 14; Am. Coot, 475; Piping Plover, 44; Snowy Plover, 3; Ringed Plover, 392; Wilson's Plover, 55; Killdeer, 137; Black-bellied Plover, 38; Ruddy Turnstone, 158; Hudsonian Curlew, 1; Spotted Sandpiper, 38; Willet, 109; Lesser

Yellow-legs, 14; Red Knot, 30; Least Sandpiper, 37; Red-backed Sandpiper, 436; Dowitcher, 158; Semipalmated Sandpiper, 359; Western Sandpiper, 18; Marbled Godwit, 43; Sanderling, 194; Herring Gull, 308; Ring-billed Gull, 3134; Laughing Gull, 566; Bonaparte's Gull, 1; Forster's Tern, 97; Royal Tern, 146; Caspian Tern, 12; Black Skimmer, 884; Mourning Dove, 445; Ground Dove, 106; Barred Owl, 1; Belted Kingfisher, 44; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 106; Red-headed Woodpecker, 2; Hairy Woodpecker, 1; Eastern Phoebe, 10; Tree Swallow, 79; Blue Jay, 67; Fish Crow, 261; Tufted Titmouse, 1; Brown-headed Nuthatch, 2; House Wren, 20; Carolina Wren, 3; Mockingbird, 238; Catbird, 13; Brown Thrasher, 6; Am. Robin, 784; Eastern Bluebird, 13; Blue-gray Gnatcatcher, 13; Ruby-crowned Kinglet, 2; Water Pipit, 25; Loggerhead Shrike, 89; Parula Warbler, 1; Myrtle Warbler, 529; Yellow-throated Warbler, 4; Prairie Warbler, 1; Palm Warbler, 134; Common Yellowthroat, 4; House Sparrow, 73; Eastern Meadowlark, 92; Red-winged Blackbird, 845; Boat-tailed Grackle, 210; Purple Grackle, 33; Brown-headed Cowbird, 3; Cardinal, 52; Am. Goldfinch, 164; Eastern Towhee, 56 (Red-eyed, 2; White-eyed, 54); Savannah Sparrow, 34; Sharp-tailed Sparrow, 12. **Total,** 106 species (1 additional subspecies); about 15,771 individuals. (Seen in the area Dec. 25: Wilson's Snipe, 1; Lesser Scaup, 2000.) —Marie Willson, William Baxter, A. F. Satterthwait, Cleora Adams, Grace Millett, Mr. & Mrs. Frank Smith, Mr. & Mrs. Geo. Barker, H. S. Slocum, John D. Smith, Cecil Clark, Rev. D. F. Dodd, Mrs. Elmer Henderson, Betty Henderson, Mrs. Robins Ralph, Peter Ralph, Mrs. E. L. Amerman, E. F. Kelly, E. J. Buchwald, Mrs. Hanrahan, Mildred Pierce, May Quackenbush, Nellie G. Greene, Molly Rutherford, Christie Mason, Daisie Morrison.

198. Sarasota, Fla. (from south end of Longboat Key to Lido Shores to Ringling Causeway, city waterfront, east on U.S. 301 to city dump, east to Fruitville, south to Bee Ridge Road; Siesta Key, to Oyster Bay, to Key Nursery; two feeding stations in north and south ends of town included).—Dec. 21; 7 a.m. to 5 p.m. Clear; temp. 54° to 62°; wind NW, becoming fresh. Twelve observers in four parties. Total party-hours, 31½; total party-miles, 79 (9 on foot, 70 by car). Common Loon, 4; Pied-billed Grebe, 3; Brown Pelican, 98; Double-crested Cormorant, 61; Water-turkey, 1; Great Blue Heron, 9; Am. Egret, 22; Snowy Egret, 36; Louisiana Heron, 8; Little Blue Heron, 30; Green Heron, 1; Black-crowned Night Heron, 3; Yellow-crowned Night Heron, 2; Wood Ibis, 2; White Ibis, 23; Canvas-back, 1 ♀ (Robbins, Marston, Preston); Greater Scaup, 1 ♂ (Preston, Robbins); Lesser Scaup, 670 (est.); Red-breasted Merganser, 206; Turkey Vulture, 20; Black Vulture, 60; accipiter, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Bald Eagle, 9; Marsh Hawk, 6; Osprey, 2; Sparrow Hawk, 15; Bob-white, 61; Clapper Rail, 3; Florida Gallinule, 6; Am. Coot, 8; Piping Plover, 1; Snowy Plover, 2; Ringed Plover, 25; Wilson's Plover, 5; Killdeer, 12; Black-bellied Plover, 17; Ruddy Turnstone, 7; Wilson's Snipe, 1; Spotted Sandpiper, 1; Willet, 33; Red Knot, 560 (est.); Least Sandpiper, 13; Red-backed Sandpiper, 1; Dowitcher, 5; Semipalmated Sandpiper, 19; Sanderling, 111; Herring Gull, 115; Ring-billed Gull, 630 (est.); Laughing Gull, 235 (est.); Forster's Tern, 10; Common Tern, 1; Least Tern, 7; Royal Tern, 66; Cabot's Tern, 1; Caspian Tern, 7; Black Skimmer, 5; Mourning Dove, 244; Ground Dove, 46; Belted Kingfisher, 16; Yellow-shafted Flicker, 7; Pileated Woodpecker, 2; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 7; Tree Swallow, 5320 (est.); Blue Jay, 12; Scrub Jay, 3; Fish Crow, 121; Tufted Titmouse, 6; Brown-headed Nuthatch, 2; House Wren, 7; Carolina Wren, 2; Mockingbird, 52; Catbird, 4; Brown Thrasher, 1; Am. Robin, 925 (est.); Eastern Bluebird, 34; Blue-gray Gnatcatcher, 45; Ruby-crowned Kinglet, 2; Cedar Waxwing, 35; Loggerhead Shrike, 38; White-eyed Vireo, 1; Solitary Vireo, 5; Black and White Warbler, 2; Myrtle Warbler, 45; Yellow-throated Warbler, 6; Pine Warbler, 4; Palm Warbler (Western), 39; Common Yellow-throat, 8; House Sparrow, 83 (est.); Eastern Meadowlark, 14; Red-wing, 445 (est.); Boat-tailed Grackle, 79 (est.); Purple Grackle, 26; Cardinal, 27; Painted Bunting, 3; Am. Goldfinch, 119 (est.); Eastern Towhee, 17 (Red-eyed, 15; White-eyed, 2); Grasshopper Sparrow, 1; Chipping Sparrow, 132 (est.); Swamp Sparrow, 10. **Total,** 105 species (1 additional subspecies); 11,295 individuals.—George Dillman, Mr. and Mrs. Gilbert Herringshaw, Dorothea Marston, Mr. and Mrs. Joshua Platt, Charles P. Preston, Chandler Robbins, Jr., Wilbur F. Smith, Mr. and Mrs. Walter Stofer, Virginia S. Thier.

199. Tallahassee, Fla. (limits of circle as in 1948-51, but new areas added; open shores of lakes and ponds 22%, wooded shores of lakes and ponds 6%, marshes 5%, cultivated fields 12%, pastures and old fields 24%, pine and mixed woods 13%, deciduous woods 13%, roadside [by car] 4%, residential sections 1%).—Dec. 23; 6:45 a.m. to 6 p.m. Clear to cloudy with rain beginning at 5 p.m.; temp. 44° to 69°; wind SSE, 6-14 m.p.h. Six observers in 5 to 6 parties. Total party-hours, 51¾ (46 on foot, 2 by car, 3¾ by bicycle); total party-miles, 133½ (58 on foot, 60 by car, 15½ by bicycle). Common Loon, 1 (W.C.); Horned Grebe, 8; **Pied-billed Grebe,** 300; Double-crested Cormorant, 20; Water-turkey, 4; Great Blue Heron, 15; **Am. Egret,** 96; Snowy Egret, 2; Louisiana Heron, 9; Little Blue Heron, 4; **Black-crowned Night Heron,** 5 (S.R.); **Canada Goose,** 3200; Snow Goose, 3 (R.W.); **Blue Goose,** 43 (2 parties); Mallard, 24; Black Duck, 3; Gadwall, 23; Am. Widgeon, 9; **Pintail,** 150; Green-winged Teal, 17; **Blue-winged Teal,** 25; Wood Duck, 25; **Ring-necked Duck,** 1460; Lesser Scaup, 8; Buffle-head, 1; Ruddy Duck, 100; **Hooded Merganser,** 24; **Red-breasted Merganser,** 2 (S.R.); Turkey Vulture, 20; Black Vulture, 36; Cooper's Hawk, 1; **Red-tailed Hawk,** 14; **Red-shouldered Hawk,** 21;

Bald Eagle, 1; **Marsh Hawk,** 16; Peregrine Falcon, 1 (W.C.); **Sparrow Hawk,** 28; Bob-white, 33; Am. Coot, 660; **Am. Golden Plover,** 1 (W.C.; appearance of Black-bellied Plover, but without black axillars); Killdeer, 120; Wilson's Snipe, 39; **Greater Yellow-legs,** 13; Least Sandpiper, 54; **Red-backed Sandpiper,** 16; Semipalmated Sandpiper, 2 (W.C.); Herring Gull, 3; **Ring-billed Gull,** 75; **Forster's Tern,** 27; **Mourning Dove,** 460; Ground Dove, 14; Horned Owl, 5; Barred Owl, 5; Belted Kingfisher, 23 **Yellow-shafted Flicker,** 100; Pileated Woodpecker, 12; **Red-bellied Woodpecker,** 84; Red-headed Woodpecker, 12; **Yellow-bellied Sapsucker,** 17; Hairy Woodpecker, 3; **Downy Woodpecker,** 24; Red-cockaded Woodpecker, 6; **Eastern Phoebe,** 97; **Horned Lark,** 2 (S.R.; flew close by; facial markings seen clearly; first local record); Tree Swallow, 4; **Blue Jay,** 132; **Am. Crow,** 310; Fish Crow, 2; **Carolina Chickadee,** 89; **Tufted Titmouse,** 39; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 12; Brown Creeper, 1; **House Wren,** 84; **Winter Wren,** 6; **Carolina Wren,** 120; Short-billed Marsh Wren, 2; **Mockingbird,** 107; **Catbird,** 5; Brown Thrasher, 25; Am. Robin, 280; Hermit Thrush, 32; **Eastern Bluebird,** 163; Blue-gray Gnatcatcher, 19; **Golden-crowned Kinglet,** 74; **Ruby-crowned Kinglet,** 210; Water Pipit, 310; Cedar Waxwing, 24; **Loggerhead Shrike,** 31; Common Starling, 40; White-eyed Vireo, 3; Solitary Vireo, 2; Black and White Warbler, 8; **Orange-crowned Warbler,** 22; **Myrtle Warbler,** 210; Yellow-throated Warbler, 6; Pine Warbler, 60; **Palm Warbler** (both races), 100; Common Yellowthroat, 42; **Black-capped Warbler,** 1 (W.C.; seen later by H.S. and R.W.; several other winter records for the species); House Sparrow, 140; **Eastern Meadowlark,** 270; **Red-winged Blackbird,** 1380; Rusty Blackbird, 2; Purple Grackle, 80; Brown-headed Cowbird, 6; **Cardinal,** 205; Pine Siskin, 2 (S.R.); **Am. Goldfinch,** 260; **Eastern Towhee,** 143; **Savannah Sparrow,** 45; Henslow's Sparrow, 1 (H.S., D.J.); **Vesper Sparrow,** 185; Pine-woods Sparrow, 2; Slate-colored Junco, 6; **Chipping Sparrow,** 170; Field Sparrow, 22; **White-crowned Sparrow,** 11 (2 parties); White-throated Sparrow, 470; Swamp Sparrow, 48; **Song Sparrow,** 97. **Total,** 121 species (1 additional subspecies); about 13,749 individuals. (Also fresh Turkey tracks; seen in area Dec. 29: Sharp-shinned Hawk.)—William H. Cross, Douglas James, Stephen M. Russell, Henry M. Stevenson, Marvin Wass, Richard West.

200. Ashland, Ohio (regular area at Charles Mill Dam reservoir; deciduous woods 40%, waste fields 25%, cultivated fields 5%, marsh and brushy swamps 20%, roadsides 8%, pine plantings 2%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear; temp. 12° to 26°; wind S, 0-10 m.p.h.; ground bare and frozen; lake frozen. Twelve observers in 4 parties. Total party-hours, 30½ (on foot); total party-miles, 30 (on foot). Mallard, 75; Black Duck, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Bob-white, 24; Ring-necked Pheasant, 1; Killdeer, 2; Wilson's Snipe, 2; Mourning Dove, 3; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Pileated Woodpecker, 6; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 64; Horned Lark, 2; Blue Jay, 19; Black-capped Chickadee, 67; Tufted Titmouse, 108; White-breasted Nuthatch, 69; Brown Creeper, 4; Eastern Bluebird, 26; Golden-crowned Kinglet, 4; Common Starling, 21; House Sparrow, 167; Rusty Blackbird, 21; Cardinal, 82; Am. Goldfinch, 55; Slate-colored Junco, 29; Am. Tree Sparrow, 799; Field Sparrow, 1; Swamp Sparrow, 7; Song Sparrow, 74. **Total,** 37 species; about 1783 individuals. (Three unidentified ducks and 3 unidentified hawks were seen).—James Bell, Wakeman Bell, James A. Bruce, Paul D. Harwood, Burton C. Kahl, S. M. Martin, Maurice Newkirk, C. S. Ross, Paul Thornburg, Joe Wagenhals, Stephen Webster, Joe Yeagle.

201. Ashtabula, Ohio (Lake Erie shore from west of Ashtabula to Conneaut, 14 miles, most of the lake plain from shore inland 4 miles, and an equal area of the uplands further south; habitat coverage as in previous years).—Dec. 27; 7 a.m. to 5 p.m. Light to heavy overcast; temp. 21° to 30°; wind NW, 20-35 m.p.h. along lake, less inland; ground almost bare but occasional snow flurries throughout day; waters unfrozen except behind breakwaters and stagnant pools. Waterfowl concentrated behind breakwaters. Eleven observers in 5 parties. Total party-hours, 55 (45 on foot, 10 by car); total party-miles, 168 (44 on foot, 124 by car). Common Loon, 1; Horned Grebe, 3; Double-crested Cormorant, 7; Mallard, 8; Black Duck, 68; Gadwall, 2; Green-winged Teal, 2; Redhead, 6; Canvas-back, 8; Greater Scaup, 10; Lesser Scaup, 44; Am. Golden-eye, 172; Buffle-head, 49; Am. Merganser, 155; Red-breasted Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 1; Am. Coot, 2; Red-backed Sandpiper, 225 (in 3 large flocks, driven into Conneaut harbor by the storm. Several later flocks not counted, perhaps same birds); Great Black-backed Gull, 12; Herring Gull, 1650; Ring-billed Gull, 78; Bonaparte's Gull, 2350; Little Gull, 1 [no details—Ed.]; Sabine's Gull, 1 (L.E.H. & E.L.) [no further details—Ed.]; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 8; Blue Jay, 10; Am. Crow, 10; Black-capped Chickadee, 33; Tufted Titmouse, 1; White-breasted Nuthatch, 8; Brown Creeper, 1; Brown Thrasher, 1; Golden-crowned Kinglet, 7; Common Starling, 463; House Sparrow, 253; Red-winged Blackbird, 4; Brown-headed Cowbird, 6; Cardinal, 38; Pine Siskin, 12; Am. Goldfinch, 2; Slate-colored Junco, 34; Am. Tree Sparrow, 178; Song Sparrow, 1; Lapland Longspur, 16; Snow Bunting, 16. **Total,** 59 species; 5982 individuals. (Seen recently in area: Whistling Swan, Bald Eagle, Bob-white, Gray Shrike, Red Crossbill and Common

Redpoll. Note the absence of thrushes and Red-bellied Woodpeckers.)—Lawrence E. Hicks, Ernest Limes, Henry Schuer, William F. Davis, Merrill Gilfillan, Dwight Euverard, Mr. and Mrs. Robert Cornell, Paul H. Savage, John Thayer, James Lacksonen.

202. Buckeye Lake, Ohio (about the same area as in past 27 years; deciduous woodlands 60%, open farmland 30%, brushy swamp and cattail marsh 10%).—Dec. 21; 6:45 a.m. to 5:20 p.m. Heavy cloud cover; temp. 39° to 42°; wind W to NW, 0-10 m.p.h.; ground unfrozen, without snow; 50% of lake covered with skim ice, canal and streams mostly open. Sixteen observers in 4 parties. Total party-hours, 32 (24 on foot, 8 by car); total party-miles, 175 (30 on foot, 145 by car). Common Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 2; Mallard, 2400 (±500); Black Duck, 600 (±200); Gadwall, 6; Am. Widgeon, 2; Pintail, 36; Green-winged Teal, 2; Shoveller, 2; Redhead, 1; Canvas-back, 2; Lesser Scaup, 12; Am. Golden-eye, 11; Buffle-head, 1; Hooded Merganser, 2; Am. Merganser, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 5; Red-shouldered Hawk, 6; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 8; Bob-white, 124; Ring-necked Pheasant, 7; Am. Coot, 1; Killdeer, 9; Herring Gull, 14; Ring-billed Gull, 7; Mourning Dove, 15; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Barred Owl, 8; Short-eared Owl, 3; Belted Kingfisher, 13; Yellow-shafted Flicker, 133; Pileated Woodpecker, 10; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 67; Hairy Woodpecker, 10; Downy Woodpecker, 223; Horned Lark, 43; Blue Jay, 148; Carolina Chickadee, 223; Tufted Titmouse, 254; White-breasted Nuthatch, 168; Red-breasted Nuthatch, 1; Brown Creeper, 71; Winter Wren, 4; Carolina Wren, 26; Long-billed Marsh Wren, 2; Mockingbird, 1; Am. Robin, 5; Hermit Thrush, 1; Eastern Bluebird, 49; Golden-crowned Kinglet, 5; Cedar Waxwing, 14; Gray Shrike, 1; Common Starling, 243; Myrtle Warbler, 21; House Sparrow, 2256; Eastern Meadowlark, 11; Red-winged Blackbird, 19; Rusty Blackbird, 1; Brown-headed Cowbird, 5; Cardinal, 351; Purple Finch, 2; Pine Siskin, 9; Am. Goldfinch, 153; Eastern Towhee, 8; Slate-colored Junco, 70; Am. Tree Sparrow, 568; Field Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 37; Song Sparrow, 273; Snow Bunting, 54. **Total,** 79 species; 8905 individuals. (Seen in area on Dec. 18 by M.B.T.: Rough-legged Hawk, 1; Vesper Sparrow, 1.)—Kenneth E. Allen, David Baker, Donald J. Borror, Harold E. Burt, Audrey Claugus, Sid Coral, Eugene E. Good, Lawrence E. Hicks, Robert Kavanagh, Ernest O. Limes, Jr., Edwin Postle, Irvin B. Rickly, Henry W. Schuer, Milton B. Trautman (compiler), Walter A. Tucker, George F. Wolfram.

203. Bucyrus, Ohio (Kuehnle, Cook and Rexroth farms southeast of city to intersection of Mt. Vernon Rd. and Galion Rd.; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 10%, beech-maple climax woods 4%, pine-hemlock reforestation grove 1%).—Dec. 26; 9 a.m. to 5 p.m. Cloudy, dull; temp. 20° to 22°; wind W, 16 m.p.h.; ground bare. Three observers in 2 parties. Total party-hours, 16 (14 on foot, 2 by car); total party-miles, 23 (15 on foot, 8 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 1; Bob-white, 4; Barred Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Horned Lark, 14; Blue Jay, 11; Black-capped Chickadee, 9; Tufted Titmouse, 20; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 1; Brown Creeper, 9; Common Starling, 19; House Sparrow, 270; Cardinal, 10; Am. Goldfinch, 4; Slate-colored Junco, 5; Am. Tree Sparrow, 40; Song Sparrow, 3. **Total,** 24 species; 460 individuals. (Seen in area Dec. 13: Snow Bunting, 2; Dec. 6: Pine Siskin, 2.)—Paul Kuehnle, Judith Ann Kuehnle and Merlin C. Probst.

204. Cadiz, Ohio (village yards, and about 8 miles west along ridge and valley roads, and along shores of Tappan Lake, same territory as in past 52 years [McConnell], 42 years [J. G. Worley]; village yards and environs 15%, open country 30%, deciduous woods and thickets 30%, pine grove 5%, Tappan Lake shore 20%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Cloudy, with heavy overcast all day; temp. 24° to 26°; wind gusty WNW, 8-15 m p.h.; ground bare, frozen, lake and streams open. Ten observers in 1 party. Total party-hours 10 (7 on foot, 3 by car); total party-miles, 36 (4 on foot, 32 by car). Horned Grebe, 1; Am. Widgeon, 3; Hooded Merganser, 22; Red-tailed Hawk, 2; Sparrow Hawk, 7; Ruffed Grouse, 1; Am. Coot, 9; Killdeer, 1; Ring-billed Gull, 2; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 13; Horned Lark, 21; Carolina Chickadee, 16; Tufted Titmouse, 3; White-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 3; Am. Robin, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Common Starling, 32; House Sparrow, 198; Cardinal, 36; Am. Goldfinch, 1; Slate-colored Junco, 31; Am. Tree Sparrow, 121; Song Sparrow, 12. **Total,** 30 species; 563 individuals. (Seen in area, Dec. 20-25: Mourning Dove, Purple Grackle, Eastern Meadowlark, Blue Jay.)—Harry B. McConnell, John G. Worley, Clara C. Worley, David E. Worley, L. Milton Ronsheim, Mary Ronsheim, Tom Ford, William Neeper, Harold Haverfield, Mary E. Haverfield.

205. Cincinnati, Ohio (same area as last year).—Dec. 28; 7 a.m. to 6 p.m. Clear; temp. 17° to 35°; wind S to SW, 1-11 m.p.h.; ponds mostly frozen, rivers open. Forty-seven observers in 8 parties. Total party-hours, 109 (90 on foot, 15 by car, 4 by canoe); total party-miles, 386 (113 on foot, 267 by car, 6 by canoe). Pied-billed Grebe, 3; Great Blue Heron, 2; Mallard, 157; Black Duck, 59; Am. Golden-eye, 3; Hooded Merganser, 1; Am. Merganser, 9; Sharp-shinned Hawk, 1; Cooper's Hawk, 10; Red-tailed Hawk, 20; Red-shouldered Hawk, 12; Rough-legged Hawk, 3; **Broad-winged Hawk,** 1 (excellent view, soaring overhead—E.K.); Marsh Hawk, 5; Sparrow Hawk, 22; Bob-white, 81 (8 coveys); Am.

Coot, 6; Killdeer, 16; **Purple Sandpiper,** 1 (S.E.S.); Ring-billed Gull, 58; Mourning Dove, 349; Barn Owl, 1; Screech Owl, 2; Horned Owl, 1; Barred Owl, 4; Short-eared Owl, 3; Belted Kingfisher, 8; Yellow-shafted Flicker, 172; Red-bellied Woodpecker, 91; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 28; Downy Woodpecker, 222; Eastern Phoebe, 2; Horned Lark, 147; Blue Jay, 153; Am. Crow, 667; Carolina Chickadee, 656; Tufted Titmouse, 281; White-breasted Nuthatch, 29; Brown Creeper, 17; Winter Wren, 1; Carolina Wren, 103; Mockingbird, 17; Am. Robin, 290; Hermit Thrush, 3; Eastern Bluebird, 94; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 3; Cedar Waxwing, 60; Common Starling, 1729; Myrtle Warbler, 46; House Sparrow, 1450; Eastern Meadowlark, 90; Red-winged Blackbird, 3; Cardinal, 893; Purple Finch, 17; **Pine Siskin,** 1; Am. Goldfinch, 307; Eastern Towhee, 118; **Savannah Sparrow,** 1; Slate-colored Junco, 719; Am. Tree Sparrow, 543; Chipping Sparrow, 1; Field Sparrow, 11; White-crowned Sparrow, 8; White-throated Sparrow, 45; Swamp Sparrow, 11; Song Sparrow, 398. **Total,** 69 species; 10,305 individuals. (Seen in area Dec. 21: Canada Goose, 57; Gadwall, 2; Ring-necked Duck, 3; Brown-headed Cowbird, 1.)—G. Acomb, G. R. Austing, M. L. Bagel, W. Benway, L. Brinkmann, W. Brock, E. Brockschlager, J. R. Bunnell, R. Carpenter, C. Chambers, V. C. Coles, Mr. & Mrs. R. Deupree, P. Feist, H. Field, W. Goodpaster, F. Harbaum, W. Harbaum, J. Herbst, C. F. Hilker, Jr., E. Kemsies, K. Maslowski, W. Mers, M. Nauer, R. L. Peters, S. M. Rowe, Jr., S. M. Rowe, Sr., N. I. Sjodahl, S. E. Sjodahl (compiler), A. L. Smethurst, J. Staab, A. Stephenson, B. Stephenson, H. Stephenson, I. C. Suttman, G. R. Symons, Rev. C. J. Taylor, Mr. & Mrs. J. W. Taylor, W. Turner, J. Upson, W. I. Upson, P. C. Vitz, E. Wagner, H. J. Walter, W. Warner, J. Zimmerman.

206. Cleveland, Ohio (same area as last 12 years).—Dec. 28; 7:45 a.m. to 5 p.m. Clear; temp. 15° to 31°; wind S to SSW, 7-14 m.p.h.; shallow ponds frozen. Thirty-one observers in 14 parties. Total party-hours, 84½ (52½ on foot, 32 by car); total party-miles, 527 (74 on foot, 453 by car). Horned Grebe, 1; Mallard, 77; Black Duck, 110; Redhead, 3; Canvas-back, 200; Lesser Scaup, 174; Am. Golden-eye, 18; Ruddy Duck, 4; Am. Merganser, 33; Red-breasted Merganser, 45; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 4; Bob-white, 24; Ring-necked Pheasant, 5; **Glaucous Gull,** 1; Herring Gull, 1827 (1600 est., 227); Ring-billed Gull, 700; Bonaparte's Gull, 778; Mourning Dove, 164; Screech Owl, 1; Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 7; Yellow-shafted Flicker, 5; Pileated Woodpecker, 6; Red-bellied Woodpecker, 3; Hairy Woodpecker, 22; Downy Woodpecker, 93; **Eastern Phoebe,** 1; Horned Lark, 6; Blue Jay, 125; Am. Crow, 10; Black-capped Chickadee, 211; Tufted Titmouse, 82; White-breasted Nuthatch, 93; Red-breasted Nuthatch, 10; Brown Creeper, 2; Am. Robin, 6; Eastern Bluebird, 10; Golden-crowned Kinglet, 24; Common Starling, 345; House Sparrow, 978; Purple Grackle, 1; Cardinal, 177; Common Redpoll, 50; Pine Siskin, 2; Am. Goldfinch, 19; Eastern Towhee, 6; Slate-colored Junco, 241; Am. Tree Sparrow, 418; Song Sparrow, 30. **Total,** 55 species; about 7171 individuals.—James Akers, Thomas Armour, Llewellyn P. Barbour, Mary Barbour, Mrs. R. S. Booth, Vera Carrothers, Maude Doolittle, Dr. C. T. Downer, Elsie Erickson, Adela Gaede, Marion Gebhart, David Haskins, R. W. Hill, Rudolph Kula, Robert G. Maly, Lucille Mannix, Dr. T. W. Mastin, N. A. Meinhardt, Margaret E. Perner, Jerry Piskac, Marjorie Ramisch (compiler), Bertram C. Raynes, Margaret Raynes, Warner Seeley, Margaret Sherwin, Merit Skaggs, Raymond Smiley, Paul Smith, Wilbur T. Smith, Clark Tefft, Lida Whittier (Kirtland Bird Club and friends).

207. Cuyahoga Falls, Ohio (same area as last year; 7½-mile radius about center of Cuyahoga Falls; deciduous woods and wooded stream banks 60%, open deciduous woods 15%, fields and golf courses 10%, lake shores 10%, city streets 5%).—Dec. 21; 8 a.m. to 5 p.m. Fog in a.m., cloudy in p.m.; temp. 35° to 50°; wind calm except for occasional very slight breeze; ground wet from recent rain; Cuyahoga River and lakes open; thin ice at edge of some lakes. Nineteen observers in 10 parties. Total party-hours, 37 (25 on foot, 12 by car); total party-miles, 98 (20 on foot, 78 by car). Pied-billed Grebe, 6; Mallard, 3; Black Duck, 18; Am. Widgeon, 15; Lesser Scaup, 2; Hooded Merganser, 2; Bob-white, 15; Ring-necked Pheasant, 3; Am. Coot, 7; Herring Gull, 2; Mourning Dove, 13; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 43; Blue Jay, 57; Am. Crow, 3; Black-capped Chickadee, 83; Tufted Titmouse, 25; White-breasted Nuthatch, 41; Red-breasted Nuthatch, 1; Am. Robin, 7; Ruby-crowned Kinglet, 4; Common Starling, 946; House Sparrow, 769; Eastern Meadowlark, 1; Cardinal, 82; Purple Finch, 7; Am. Goldfinch, 2; Slate-colored Junco, 32; Am. Tree Sparrow, 100; Song Sparrow, 8. **Total,** 32 species; 2310 individuals. (Seen in area Dec. 20: Ruffed Grouse, 1 by C. F. Gibbs.)—R. W. Dexter (compiler), C. F. Gibbs, Mrs. E. R. Gibson, Mrs. L. Greene, S. Harty, Mrs. D. Internoscia, Mrs. G. Leathers, Mrs. J. Marlin, M. S. Obenauf, G. Rennecker, M. Roetzel, F. Ruckman, H. G. Sisler, F. E. Smith, L. Smith, Mr. and Mrs. F. C. Staiger, Mr. and Mrs. G. O. Wiley (Cuyahoga Falls—Akron Audubon Club).

208. Dayton, Ohio (nearly same areas as in past 23 years; woodland park 30%, stream banks 20%, wooded residential 10%, fields and roadside thickets 35%, evergreen plantations 5%).—Dec. 28; 7 a.m. to 5:30 p.m. Clear; temp. 13° to 31°; wind SW, nearly calm to 17 m.p.h.; ground and low shrubbery frost-covered in a.m.; streams partly open, lakes icebound. Twenty-nine observers in 10 parties. Total party-hours, 47 (37 on foot, 10 by car); total party-miles, 179 (41 on foot, 138 by car). Pied-billed Grebe, 1; Great Blue Heron, 3; Black-crowned Night

Heron, 1 (R.R.); Mallard, 75; Black Duck, 92; Pintail, 1; Am. Golden-eye, 17; **Buffle-head,** 2 (M.A.); Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 11; Bob-white, 41; Ring-necked Pheasant, 9; Killdeer, 2; Mourning Dove, 39; Barn Owl, 1; Screech Owl, 3; Belted Kingfisher, 13; Yellow-shafted Flicker, 73; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 19; Downy Woodpecker, 148; Horned Lark, 9; Blue Jay, 79; Am. Crow, 401; Black-capped Chickadee, 6 (C.H.); Carolina Chickadee, 97; Tufted Titmouse, 108; White-breasted Nuthatch, 28; Brown Creeper, 30; Winter Wren, 5; Carolina Wren, 22; Mockingbird, 11; Am. Robin, 1482 (1227 at roost); Eastern Bluebird, 9; Golden-crowned Kinglet, 13; Common Starling, 612,701 (607,365 at roost); House Sparrow, 531; Eastern Meadowlark, 4; Red-winged Blackbird, 310 (307 at roost); Rusty Blackbird, 3067 (at roost); Purple Grackle, 307 (at roost); Brown-headed Cowbird, 1227 (at roost); Cardinal, 220; Purple Finch, 9; Am. Goldfinch, 36; Eastern Towhee, 21; **Vesper Sparrow,** 1 (B.H.S.); Slate-colored Junco, 417; Am. Tree Sparrow, 316; White-crowned Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 62. **Total,** 55 species; 622,097 (613,500 at roost) individuals. A Barn Owl and 2 Screech Owls found dead. (B. Smith & Rhinehart worked Shawen roost at dusk; birds estimated and species determined by counting trees and number of birds in average tree; birds counted by flashlight. This is an established roost)—M. Anthony, H. Bielstine, L. Binkley, B. J. Blincoe (compiler), E. S. Blincoe, C. Breish, D. Dover, D. Eikenbary, G. Gerlaugh, E. Grill, C. Hadeler, D. Hess, C. O. Horst, W. Horst, D. Jones, H. Kirk, P. Knoop, D. Lee, K. Meyers, J. Meyers, M. Myers, R. Rhinehart, R. Reussenzehn, E. Ruhl, B. H. Smith, G. Smith, D. Taylor, H. T. Tweedie, A. Tuhey (Dayton Audubon Society).

209. Delaware, Ohio (approximately same route as last 3 years; open farmland 25%, deciduous woods 25%, stream banks and bottoms 15%, lake shore 15%, roadsides and hedges 20%).—Dec. 26; 7:45 a.m. to 4:30 p.m. Cloudy; temp. 26° to 24°; wind SW, 10-15 m.p.h.; ground bare, frozen; water open. Sixteen observers in 6 parties. Total party-hours, 51½ (50 on foot, 1½ by car); total party-miles, 60 (48 on foot, 12 by car). Great Blue Heron, 1; Mallard, 150 (est.); Black Duck, 354 (350 est., 4); Hooded Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 4; Bob-white, 40 (31 est., 9); Ring-necked Pheasant, 10; Killdeer, 1; Mourning Dove, 6; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 19; Hairy Woodpecker, 11; Downy Woodpecker, 99; Horned Lark, 76 (est.); Blue Jay, 26; Am. Crow, 15; Carolina Chickadee, 72; Tufted Titmouse, 178; White-breasted Nuthatch, 50; Brown Creeper, 19; Carolina Wren, 3; Am. Robin, 1; Eastern Bluebird, 9; Golden-crowned Kinglet, 2; Common Starling, 441 (235 est., 206); House Sparrow, 336 (250 est., 86); Eastern Meadowlark, 3; Cardinal, 129; Am. Goldfinch, 61; Slate-colored Junco, 138; Am. Tree Sparrow, 437 (230 est., 207); Song Sparrow, 111. **Total,** 37 species; about 2823 individuals.—Hannah Bonsey, Barbara Cruikshank, Kenneth Danter, Janet Dunham, Phil Dunham, T. C. Dunham, B. A. Foote, Sam Hipsher, J. H. Lancaster, Mr. and Mrs. J. H. Reed, R. H. Ross, Jr., J. L. Shover, W. D. Stull (compiler), D. A. Suthers, R. A. Suthers.

210. Findlay, Ohio (5-mile radius from Findlay covering the same area as covered in previous years; pasture 10%, evergreen plantation 25%, marsh 20%, second growth deciduous timber 25%, river margins 20%).—Dec. 28; 8 a.m. to 4 p.m. Mostly sunny, partly overcast; temp. 22° to 29°; wind SW, 10 m.p.h.; no snow, ground frozen; river partly open, reservoir, marshes and quarries frozen. Ten observers in 1 party. Total party-hours, 7 (5 on foot, 2 by car); total party-miles, 40 (14 on foot, 26 by car). Canada Goose, 4; Mallard, 350; Black Duck, 250; Lesser Scaup, 1; Am. Merganser, 1; Red-shouldered Hawk, 1; Bob-white, 12; Ring-necked Pheasant, 1; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 7; Horned Lark, 2; Blue Jay, 10; Am. Crow, 2; Black-capped Chickadee, 3; Tufted Titmouse, 39; White-breasted Nuthatch, 12; Brown Creeper, 1; Common Starling, 400; House Sparrow, 500; Cardinal, 11; Slate-colored Junco, 6; Am. Tree Sparrow, 6; Fox Sparrow, 1; Song Sparrow, 6. **Total,** 26 species; 1629 individuals. —Dan Dindal, Robert Hayman, David Heck, Ramon Johnson, Bruce McLaughlin, Owen Medlock, Dan Rose, Roy Schmunk, Jerry Stevenson, Stanley Wittenmyer (Sponsored by the Findlay College Biology Department and the Findlay Senior High Biology Club).

211. Hamilton, Ohio (same area as last 33 years; open farmland 40%, wood patches 40%, weedy fields 15%, along water 5%).—Dec. 21; 8:30 a.m. to 5 p.m. Temp. 38° to 40°; wind W, 5-10 m.p.h. Two observers in 1 party. Total party-hours, 8½ (5½ on foot, 3 by car); total party-miles, 38 (8 on foot, 30 by car). Great Blue Heron, 1; Blue Goose, 1; Mallard, 26; Hooded Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 1; Killdeer, 7; Wilson's Snipe, 15; Mourning Dove, 46; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 16; Horned Lark, 4; Blue Jay, 18; Am. Crow, 236; Carolina Chickadee, 41; Tufted Titmouse, 42; White-breasted Nuthatch, 3; Brown Creeper, 15; Carolina Wren, 12; Mockingbird, 1; Am. Robin, 28; Common Starling, 2500 (est.); Myrtle Warbler, 4; House Sparrow, 251; Eastern Meadowlark, 1; Red-winged Blackbird, 12; Cardinal, 63; Am. Goldfinch, 20; Slate-colored Junco, 124; Am. Tree Sparrow, 94; Field Sparrow, 6; Song Sparrow, 35. **Total,** 39 species; 3652 individuals.—Frank Harbaum (compiler), Willis Harbaum.

212. Lakewood, Ohio (along Lake Erie from Edgewater Park to Rocky River Park; Rocky River Metropolitan Park from Spafford Road to the mouth

of the river; Clague Park, Westlake, Ohio; lake front and city park on lake front 40%, Rocky River Valley —a flood-plain forest 40%, Clague Park 4%, suburban areas 16%).—Dec. 21; 8:25 a.m. to 4:25 p.m. Heavy fog all day and occasional drizzle; temp. 41° to 42°; wind W, 1-7 m.p.h.; ground muddy and without snow; thin ice over portions of Rocky River; all other water open. Six observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 51 (7 on foot, 44 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Mallard, 53; Lesser Scaup, 213; Am. Golden-eye, 46; Buffle-head, 25; Ruddy Duck, 300; Am. Merganser, 4; Ring-necked Pheasant, 1; Am. Coot, 1; Herring Gull, 60; Ring-billed Gull, 35; Bonaparte's Gull, 225; Belted Kingfisher, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 9; Blue Jay, 8; Am. Crow, 5; Black-capped Chickadee, 18; Tufted Titmouse, 9; White-breasted Nuthatch, 7; Carolina Wren, 1; Golden-crowned Kinglet, 3; Common Starling, 31; House Sparrow, 64; Cardinal, 22; Am. Goldfinch, 1; Slate-colored Junco, 34; Am. Tree Sparrow, 26; Song Sparrow, 6. **Total,** 31 species; 1214 individuals. (Seen on Dec. 23 by Bill Baker: Greater Scaup, 1; Red-necked Grebe, 2; Red Phalarope, 1 [full details submitted—Ed.])—Fred J. Ackermann, Mrs. Owen J. Davies, Myron Owen Davies, Florence M. Gray, Carol Stover, Mrs. Florence Stover.

213. Lancaster, Ohio (3-mile radius centering on Broad and Main Sts.; same route as previous 28 years; farmland 19%, deciduous woods 30%, stream banks 31%, city suburbs 19%, ponds 1%).—Dec. 21; 8:10 a.m. to 4:45 p.m. Misty rain a.m., overcast p.m.; temp. 36° to 40°; wind W to NW, 5 to 8 m.p.h.; ground bare; streams and ponds open. Seven observers in 4 parties. Total party-hours, 36 (on foot); total party-miles, 35 (on foot). Hooded Merganser, 2; Sparrow Hawk, 1; Bob-white, 8; Ring-necked Pheasant, 1; Barred Owl, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 25; Blue Jay, 30; Carolina Chickadee, 43; Tufted Titmouse, 51; White-breasted Nuthatch, 13; Brown Creeper, 4; Carolina Wren, 11; Am. Robin, 2; Eastern Bluebird, 9; Common Starling, 51; Myrtle Warbler, 1; House Sparrow, 239; Cardinal, 83; Am. Goldfinch, 3; Eastern Towhee, 3; Slate-colored Junco, 115; Am. Tree Sparrow, 108; Song Sparrow, 36. **Total,** 26 species; 853 individuals.—Florence Branum, Chas. R. Goslin (compiler), Louis Kitz, Paul J. Miller, Phillip Shaeffer, Dr. C. H. Shaw, Edgar Work, Jr.

214. Mohican State Forest, Ohio (Mohican Forest, surrounding farmlands, Pleasant Hill Lake, and one mile of Black Fork River area north of Perrysville; beech-hemlock forest 50%, upland hardwood forest 12%, cultivated fields 12%, soft-maple-willow forest 8%, cattail marsh 4%, lake shores 14%).—Dec. 20; 8:45 a.m. to 4:30 p.m. Overcast, rain, visibility 1 mile; temp. 38° to 40°; wind S, max. 7 m.p.h.; lake 90% ice-covered, 1-inch snow in woods, no ice on streams. Two observers in 2 parties. Total party-hours, 15 (14 on foot, 1 by car); total party-miles, 34 (14 on foot, 20 by car). Common Loon, 1; Pied-billed Grebe, 1; Mallard, 680 (est.); Black Duck, 640 (est.); Pintail, 2; Lesser Scaup, 3; Am. Golden-eye, 9; Am. Merganser, 3; Red-tailed Hawk, 4; Bald Eagle, 1; Ruffed Grouse, 1; Ring-billed Gull, 3; Bonaparte's Gull, 1; Mourning Dove, 41; Barred Owl, 2; Belted Kingfisher, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 20; Horned Lark, 2; Blue Jay, 11; Black-capped Chickadee, 3; Carolina Chickadee, 31; Tufted Titmouse, 27; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 4; Am. Robin, 23; Hermit Thrush, 1; Golden-crowned Kinglet, 15; Common Starling, 132; House Sparrow, 65; Red-winged Blackbird, 2; Cardinal, 27; Am. Goldfinch, 4; Slate-colored Junco, 30; Am. Tree Sparrow, 240 (est.); White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 16. **Total,** 43 species; approximately 2087 individuals. —James A. Bruce, Paul A. Stewart.

215. Oxford, Ohio (area somewhat reduced from that of previous years; creek and brook margins 50%, mature woodland 20%, open fields 10%, roadsides 10%, campus and urban areas 10%).—Dec. 21; 8 a.m. to 5 p.m. Overcast, somewhat foggy, visibility poor; temp. 38° to 42°; wind SW, slight; ground soggy; streams open. Seven observers in 3 parties. Total party-hours, 20; total party-miles, 20 (on foot). Blue-winged Teal, 9; Red-tailed Hawk, 1; Marsh Hawk, 1; Mourning Dove, 23; Belted Kingfisher, 5; Yellow-shafted Flicker, 32; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 43; Horned Lark, 9; Blue Jay, 22; Am. Crow, 33; Carolina Chickadee, 135; Tufted Titmouse, 77; White-breasted Nuthatch, 13; Brown Creeper, 3; Carolina Wren, 10; Mockingbird, 2; Am. Robin, 7; Eastern Bluebird, 6; Golden-crowned Kinglet, 3; Common Starling, 26; House Sparrow, 69; Cardinal, 122; Am. Goldfinch, 12; Eastern Towhee, 6; Slate-colored Junco, 75; Am. Tree Sparrow, 87; White-crowned Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 52. **Total,** 33 species; 927 individuals.—Mr. and Mrs. R. A. Hefner, Paul Hersey, Mr. and Mrs. M. W. Boesel, Carl Boesel, E. M. Ingersoll.

216. Portsmouth, Ohio (river banks 40%, cultivated fields 25%, deciduous forests 20%, waste fields 15%).—Dec. 27; 8 a.m. to 5:30 p.m. Cloudy, visibility bad; temp. 30° to 30°; wind NW, 4 m.p.h. Three observers in 1 party. Total party-hours, 9½ (6 on foot, 3½ by car), total party-miles, 23 (5 on foot, 18 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Lesser Scaup, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 6; Am. Coot, 1; Killdeer, 5; Mourning Dove, 50; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 17; Blue Jay, 9; Am. Crow, 7; Carolina Chickadee, 27; Tufted

Titmouse, 8; White-breasted Nuthatch, 15; Carolina Wren, 15; Eastern Bluebird, 8; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 35; Myrtle Warbler, 2; House Sparrow, 70; Eastern Meadowlark, 48; Red-winged Blackbird, 12; Brown-headed Cowbird, 2; Cardinal, 95; Am. Goldfinch, 12; Eastern Towhee, 7; Slate-colored Junco, 40; Am. Tree Sparrow, 205; Field Sparrow, 2; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 10. **Total,** 45 species; 748 individuals. (Two Pine Siskins were seen in same area, Dec. 28.)— Conrad Roth, James Donaldson, Paul L. Doyle (Conrad Roth Bird Club).

217. Salem, Ohio (same area as in past years—7½-mile radius with southeast corner of Perry Township as center; open marsh and farm land 15%, lake shore 10%, wooded valley of beech-maple-hemlock climax forest 75%).—Dec. 28; 8 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 12° to 31°; wind W to S, 1-7 m.p.h.; ½ in. fresh snow; Beaver Creek ¼ covered with thin ice, lakes frozen except for small patch in center of Guilford Lake. Seven observers in 5 parties. Total party-hours, 33 (30 on foot, 3 by car); total party-miles, 102 (39 on foot, 63 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 4; Black Duck, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 6; Ruffed Grouse, 1; Bob-white, 10 (1 covey); Ring-necked Pheasant, 14; Screech Owl, 5; Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 7; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 17; Hairy Woodpecker, 20; Downy Woodpecker, 59; **Horned Lark,** 205 (150 Northern); Blue Jay, 39; Am. Crow, 60; Black-capped Chickadee, 66; Carolina Chickadee, 2; Tufted Titmouse, 100; White-breasted Nuthatch, 80; Red breasted Nuthatch, 3; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 3; Golden-crowned Kinglet, 1; Common Starling, 30; House Sparrow, 163; Eastern Meadowlark, 9; Cardinal, 130; Purple Finch, 5; Am. Goldfinch, 17; Eastern Towhee, 4; Slate-colored Junco, 14; **Am. Tree Sparrow,** 917; **Field Sparrow,** 29; Swamp Sparrow, 7; Song Sparrow, 73. **Total,** 46 species; 2152 individuals. (Seen in area Dec. 14: Ruby-crowned Kinglet 1—W.C.B.; Dec. 20: Mourning Dove, 3; Am. Robin, 1; Dec. 21: Red-winged Blackbird, 1; Snow Bunting, 2.)—W. C. Baker, Mr. and Mrs. R. A. Booth, Mr. and Mrs. A. T. Hartley, R. O. Marshall, G. W. Richter.

218. Steubenville (Jefferson Co.), Ohio (deciduous woods 41%, farmland 22%, pine woods 6%, brushy fields 16%, swampy woods 7%, bottomland along streams 5%, urban 3%).—Dec. 28; 8:30 a.m. to 5 p.m. Mostly clear, few clouds; temp. 10° to 26°; wind SW to NW, 0-12 m.p.h. Twelve observers in 4 parties. Total party-hours, 30½ (30½ on foot); total party-miles, 32 (32 on foot). Hooded Merganser, 5; Cooper's Hawk, 2; Red-tailed Hawk, 4; Ruffed Grouse, 9; Bob-white, 19; Screech Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 6; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 49; Horned Lark (Prairie), 3; Am. Crow, 7; Carolina Chickadee, 140; Tufted Titmouse, 78; White-breasted Nuthatch, 16; Brown Creeper, 1; Carolina Wren, 8; Am. Robin, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Common Starling, 381; House Sparrow, 346; Cardinal, 83; Am. Goldfinch, 2; Slate-colored Junco, 33; Am. Tree Sparrow, 125; Field Sparrow, 3; Song Sparrow, 70. **Total,** 31 species; 1416 individuals.—Clinton S. Banks (compiler), Richard C. Banks, Dave Borden, Eleanor Dailey, R. L. Dailey, John Haese, Marion Harless, Marilyn Harless, F. J. Henrion, Ronald McKee, Don Rarey, Albert R. Tenney.

219. Sugar Grove, Ohio (same locality as last 8 years; about 850 acres in the unglaciated Appalachian Plateau; Hocking River and Clear Creek bottoms and adjacent uplands; open bottomlands, 42%, mixed upland woodland 19%, old-field pine scrub 13%, mixed scrub 7%, southern yellow pine woods 6%, hemlock forest, 5%, village 5%, country estate 3%).—Dec. 28; 7:30 a.m. to 3:45 p.m. Clear, calm; temp. 10° to 21°; wind SW, 0-5 m.p.h.; ground bare, frozen, thawing in sun in p.m. Thirty-five observers in 5 parties these in turn subdividing. Total party-hours, 113 (on foot); total party-miles, 154 (on foot). Black Duck, 3; Wood Duck, 2; Turkey Vulture, 5; Black Vulture, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 1; Ruffed Grouse, 14; Bob-white, 27; Killdeer, 10; Mourning Dove, 181; Belted Kingfisher, 3; Yellow-shafted Flicker, 34; Pileated Woodpecker, 18; Red-bellied Woodpecker, 35; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 14; Downy Woodpecker, 113; Horned Lark, 1; Blue Jay, 21; Am. Crow, 3; Carolina Chickadee, 206; Tufted Titmouse, 180; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 12; Brown Creeper, 28; Winter Wren, 13; Carolina Wren, 25; Am. Robin, 580; Hermit Thrush, 6; Eastern Bluebird, 66; Golden-crowned Kinglet, 149; Common Starling, 470; House Sparrow, 1481; Eastern Meadowlark, 73; Red-winged Blackbird, 12; Purple Grackle, 3; Brown-headed Cowbird, 2; Cardinal, 231; Pine Siskin, 604; Am. Goldfinch, 363; Eastern Towhee, 5; Slate-colored Junco, 733; Am. Tree Sparrow, 509; Field Sparrow, 3; White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 270. **Total,** 51 species; 6558 individuals.—D. F. Baker, C. F. Bateman, A. C. Borror, D. J. Borror, H. E. Burtt, A. H. Claugus, J. Condit, F. Gehlbach, G. E. Gilbert, W. Gilbert, C. R. Goslin, D. Harlor, J. C. Harlor, L. E. Hicks, W. M. Johannes, W. Jones, R. Kavanagh, A. S. Kiefer, Louis Kitz, J. Knierim, E. Limes, W. S. Meacham, R. H. McCormick, E. E. Postle, J. W. Price, C. R. Reese, I. B. Rickly, H. W. Schuer, C. H. Shaw, J. Shover, E. S. Thomas (compiler), J. S. Thomas, W. A. Tucker, G. S. Wolfram, E. Work, Jr. (Wheaton Club).

220. Toledo, Ohio (5 miles of Swan Creek valley, 5 miles of Ottawa River valley, isolated forests NE of city, edge of Cedar Point marsh, Maumee River,

Acme Power House to bay, all in Ohio and Erie Marsh, Mich. The Erie Marsh contains a large flowing spring; 5% open water, 5% cultivated fields, 20% cattail marsh edge, 70% open deciduous forest).—Dec. 21; 8 a.m. to 5 p.m. Heavily overcast, rain to 10 a.m., fog; temp. 34° to 39°; wind SW, 5-0 m.p.h.; visibility average 100 yds., no snow, part of Maumee River and bay and Lake Erie frozen. Thirty-six observers in 6 parties. Total party-hours, 39 (37 on foot, 2 by car); total party-miles, 53 (35 on foot, 18 by car). Great Blue Heron, 7; Black-crowned Night Heron, 1; Canada Goose, 19; Mallard, 1075; Black Duck, 285; Gadwall, 1; Wood Duck, 1; Lesser Scaup, 117; Am. Golden-eye, 70; Buffle-head, 7; Old-squaw, 2; Ruddy Duck, 7; Hooded Merganser, 9; Am. Merganser, 8; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Bald Eagle, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 151; Am. Coot, 2; Killdeer, 2; Red-backed Sandpiper, 1; Great Black-backed Gull, 2; Herring Gull, 704; Ring-billed Gull, 2300; Bonaparte's Gull, 2200; Mourning Dove, 35; Screech Owl, 13; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 16; Hairy Woodpecker, 4; Downy Woodpecker, 67; Horned Lark (Prairie), 16; Blue Jay, 53; Am. Crow, 437; Black-capped Chickadee, 80; Tufted Titmouse, 63; White-breasted Nuthatch, 39; Brown Creeper, 41; Winter Wren, 2; Carolina Wren, 3; Long-billed Marsh Wren, 3; Am. Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 4; Common Starling, 519; House Sparrow, 950; Red-winged Blackbird, 1; Cardinal, 155; Purple Finch, 9; Pine Siskin, 12; Am. Goldfinch, 123; Slate-colored Junco, 151; Am. Tree Sparrow, 343; Swamp Sparrow, 46; Song Sparrow, 138. **Total,** 58 species; 10,340 individuals. (A Long-eared Owl found dead on Dec. 21; seen in area Dec. 19, King Rail; Dec. 20, American Bittern.)—Harold and John Mayfield, Paul Toppin, John Stophlet, Dr. Wm. Stewart, John McCormick, Mike Smith, Bill Shupe, Lee Garling, Larry Shafer, Robert Hayman, Laurel Van Camp, Robert and Seymour Van Gundy, Seymour and Charles Holloway, Lou Klewer, Fred Flickinger, Dr. Miriam Bell, Bob Crofts, Mrs. Clara Belle Dicks, Miss Grace Ford, James and Iris Hallauer, Cyrus Greenhill, Jr., Miss Henrietta Marimon, Mr. and Mrs. Donald Van Buskirk, Larry Hiett, Earnest Weaver, Jr., Stanley Leiken, James and Carmen Ward, Gerald Proctor, Louis Snider, Jr., Louis W. Campbell (Toledo Naturalists' Association).

221. **Utica, Ohio** (South Lane Farm of 345 acres; same locality as last three years).—Dec. 26; 8 a.m. to 5:30 p.m. Solid overcast; temp. 25° to 30°; wind SW, 15-20 m.p.h. Four observers in 4 parties. Total party-hours, 34 (27 on foot, 7 by car); total party-miles, 84 (22 on foot, 62 by car). Cooper's Hawk, 3; Red-tailed Hawk, 7; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 6; Mourning Dove, 28; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 18; Pileated Woodpecker, 2; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 11; Hairy Woodpecker, 14; Downy Woodpecker, 39; Horned Lark, 38; Blue Jay, 33; Carolina Chickadee, 45; Tufted Titmouse, 50; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 8; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 3; Am. Robin, 1; Eastern Bluebird, 23; Golden-crowned Kinglet, 3; Loggerhead Shrike, 1; Common Starling, 930; House Sparrow, 450; Eastern Meadowlark, 1; Red-winged Blackbird, 7; Purple Grackle, 3; Brown-headed Cowbird, 16; Cardinal, 119; Am. Goldfinch, 32; Eastern Towhee, 8; Slate-colored Junco, 136; Am. Tree Sparrow, 172; Song Sparrow, 52. **Total,** 42 species; 2348 individuals. (Seen in area Dec. 21: Turkey Vulture, 1; Dec. 24: Horned Owl, 2; Dec. 30: Ruffed Grouse, 1; Am. Crow, 1.)—J. A. Bruce, A. H. Claugus, Paul Stewart, E. Wagner (compiler).

222. **Van Wert, Ohio** (same area as previously; deciduous swamp forest 52%, cultivated farmland 38%, roadsides 8%, farmyards 2%).—Dec. 21; 8 a.m. to 5 p.m. Cloudy, misty; temp. 36° to 40°; wind WSW, 3-7 m.p.h.; ground bare, unfrozen, muddy. Eight observers in 3 parties. Total party-hours, 36 (19 on foot, 17 by car); total party-miles, 78 (26 on foot, 52 by car). Mallard, 309; Black Duck, 8; Gadwall, 2; Cooper's Hawk, 2; Marsh Hawk, 3; Mourning Dove, 8; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 8; Horned Lark, 3; Blue Jay, 7; Am. Crow, 15; Tufted Titmouse, 20; White-breasted Nuthatch, 18; Common Starling, 153; House Sparrow, 364; Cardinal, 17; Slate-colored Junco, 12; Am. Tree Sparrow, 167; Song Sparrow, 53. **Total,** 21 species; 1183 individuals.—Arthur S. Brooks (compiler), Richard F. Good, Richard Good, Jr., Robert Good, E. C. Feigert, Harold M. Walter, J. Fred Williams, William F. Wydallis (Upper Maumee Valley Naturalist's Club).

223. **Warren (Trumbull Co.), Ohio** (same as last 3 years, plus Mederer Farm, Ratliff Road and Pollak Farm; marsh 10%, pasture 10%, plowed land 10%, town suburb 40%, deciduous woodlots 30%).—Dec. 20; 8 a.m. to 5 p.m. Mist, rain, fog, poor visibility; temp. 34° to 34°; wind S, 1-4 m.p.h.; lake area completely frozen; ground in outlying districts frozen about 3 in.; fall extremely dry. Forty-three observers in 11 parties. Total party-hours, 98½ (86 on foot, 12½ by car); total party-miles, 161½ (27½ on foot, 134 by car). Black Duck, 30; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 66; Ring-necked Pheasant, 31; Am. Woodcock, 1; Mourning Dove, 6; Screech Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Hairy Woodpecker, 7; Downy Woodpecker, 55; Blue Jay, 134; Am. Crow, 91; Black-capped Chickadee, 115; Tufted Titmouse, 82; White-breasted Nuthatch, 46; Brown Creeper, 8; Am. Robin, 3; Golden-crowned Kinglet, 2; Common Starling, 485; House Sparrow, 889; Rusty Blackbird, 40; Purple Grackle, 1; Cardinal, 102; Pine Siskin, 12; Am. Goldfinch, 56; Slate-colored Junco, 173; Am. Tree Sparrow, 218; Song Sparrow, 30; Snow Bunting, 25. **Total,** 34 species; 2726 individuals.—Wm. Brown,

Almon Rood, Caroline Rowland, Georgene Smith (compiler), Doris Wilson, Martha Wise (Trumbull Bird and Nature Club).

224. Wooster, Ohio (Secrest Arboretum, Killbuck Valley from Wooster south to Holmes County, Brown's Lake; evergreen plantations 10%, fields 6%, roadsides 28%, swamp forest 30%, upland forest 16%, cattail marsh 10%).—Dec. 23; 7:30 a.m. to 6 p.m. Overcast, showers; temp. 34° to 50°; wind SE, max. 9 m.p.h.; no snow; ponds, streams, marshes entirely ice-free. One observer. Total hours, 10½ (9 on foot, 1½ by car); total miles, 48 (6 on foot, 42 by car). Great Blue Heron, 1; Mallard, 34; Black Duck, 12; Green-winged Teal, 3; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Ring-necked Pheasant, 1; Am. Coot, 1; Mourning Dove, 30 (est.); Belted Kingfisher, 3; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 29; Blue Jay, 20; Carolina Chickadee, 5; Tufted Titmouse, 18; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 6; Carolina Wren, 4; Eastern Bluebird, 29; Golden-crowned Kinglet, 4; Cedar Waxwing, 4; Common Starling, 132; Myrtle Warbler, 5; House Sparrow, 80; Eastern Meadowlark, 1; Red-winged Blackbird, 12; Rusty Blackbird, 200 (est.); Brown-headed Cowbird, 15; Cardinal, 30; Pine Siskin, 3; Am. Goldfinch, 20; Slate-colored Junco, 16; Am. Tree Sparrow, 210 (est.); Swamp Sparrow, 7; Song Sparrow, 21. **Total,** 41 species; approximately 1011 individuals. Rusty Blackbirds at roost in buttonbush swamp. (During period Dec. 16-22 the following additional species were seen in the census area: Wood Duck, 2; Bob-white, 6 [tracks]; Killdeer, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Barn Owl, 1; Barred Owl, 2; Horned Owl, 1; Am. Crow, 6; Long-billed Marsh Wren, 1 [heard]; Hermit Thrush, 1; Am. Robin, 3; Winter Wren, 1; Eastern Towhee, 2; White-throated Sparrow, 2; White-crowned Sparrow.)—James A. Bruce.

225. Youngstown, Ohio (15-mile circle roughly centering on Mill Creek Park, including Evans and Meander Lakes; deciduous woods 25%, pasture 20%, suburbs 20%, lake and marsh 35%).—Dec. 21; 7:30 a.m. to 4 p.m. Intense fog all day, little precipitation, visibility 0 to ¼ miles; temp. 40°; no wind. Twenty-two observers in 6 parties. Total party-hours, 48 (12 on foot, 36 by car); total party-miles, 80 (60 on foot, 20 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Canada Goose, 1100 (est.); Mallard, 1000 (est.); Black Duck, 2500 (est.); Gadwall, 40; Am. Widgeon, 120; Pintail, 200; Green-winged Teal, 3; Red-shouldered Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 7; Ruffed Grouse, 1; Bob-white, 67; Ring-necked Pheasant, 10; Am. Coot, 4; Am. Woodcock, 1; Mourning Dove, 27; Barn Owl, 1; Screech Owl, 2; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Pileated Woodpecker, 5; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 25; Downy Woodpecker, 65; Horned Lark, 63; Blue Jay, 116; Am. Crow, 267; Black-capped Chickadee, 117; Tufted Titmouse, 102; White-breasted Nuthatch, 83; Red-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 1; Am. Robin, 4; Cedar Waxwing, 26; Common Starling, 172; House Sparrow, 911; Eastern Meadowlark, 1; Cardinal, 87; Am. Goldfinch, 63; Eastern Towhee, 7; Slate-colored Junco, 103; Am. Tree Sparrow, 825; Field Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 63. **Total,** 52 species; about 8234 individuals.—Vincent P. McLaughlin (compiler), W. C. Baker, J. L. Beeghley, Mr. & Mrs. Roy E. Booth, W. E. Brown, Evan C. Dressel, F. F. Ferris, W. H. Findley, H. A. Johnson, George Madtes, Paul A. Stewart, Albert Hartley, Lyle D. Miller, George Potts, William Pritchard, Dale Miller, A. J. Wardle, E. O. Minich, Cora Turner, Edith Murray, Will S. Berman.

226. Charleston, W. Va. (15-mile diameter, including Kanawha River Valley and adjacent hills from Marmet to Institute, Elk River from its mouth to Big Chimney, Kanawha Airport and Coonskin Park, South Hills to Kanawha State Forest; open farmland and grassland 5%, urban 30%, woodland 30%, wooded bottomland and streambank 35%).—Dec. 20; 6:30 a.m. to 5 p.m. Overcast, rain all forenoon; temp. 46° to 48°; wind E, 10 m.p.h.; ground bare. Sixteen observers in 11 parties. Total party-hours, 59 (43 on foot, 14 by car, 2 at feeders); total party-miles, 182 (55 on foot, 127 by car). Lesser Scaup, 1; Sharp-shinned Hawk, 1; Sparrow Hawk, 13; Ruffed Grouse, 2; Bob-white, 26 (3 coveys); Killdeer, 18; Am. Woodcock, 1 (G.H.); Wilson's Snipe, 1; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 21; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 25; Eastern Phoebe, 1; Horned Lark (Prairie), 17; Blue Jay, 37; Am. Crow, 39; Carolina Chickadee, 104; Tufted Titmouse, 84; White-breasted Nuthatch, 27; Brown Creeper, 5; Winter Wren, 6; Carolina Wren, 71; Catbird, 1 (F.M.J.); Am. Robin, 6; Hermit Thrush, 4; Eastern Bluebird, 7; Golden-crowned Kinglet, 42; Ruby-crowned Kinglet, 2 (F.M.J.); Cedar Waxwing, 9; Common Starling, 1327; Myrtle Warbler, 9; House Sparrow, 168; Eastern Meadowlark, 10; Purple Grackle, 2; Cardinal, 302; Pine Siskin, 22; Am. Goldfinch, 141; Eastern Towhee, 70; Savannah Sparrow, 2; Slate-colored Junco, 251; Am. Tree Sparrow, 11; Chipping Sparrow, 2 (G.H.); Field Sparrow, 61; White-crowned Sparrow, 4; White-throated Sparrow, 93; Swamp Sparrow, 6; Song Sparrow, 305. **Total,** 56 species; about 3384 individuals.—Sybil Ball, Lucy Barber, Sarah C. Barber, James Beach, Malcolm Crooks, John W. Handlan, Polly Handlan, C. O. Handley, Sr., John M. Handley, George Hurley, Stacy Jennings, Frank M. Johnson, Elizabeth Keely, Cynthia Koch, George Koch, Elinor Sims (Charleston Chapter Brooks Bird Club).

227. Charles Town, (Jefferson Co.), W. Va. (Federal Fish Hatchery at Leetown, Lake Louise Spring, Altona marsh; small open water ponds 10%, small stream banks 15%, weedy fields 10%, mature oak forest 15%, cattail marsh 25%, farm fields and fence rows 25%).—Dec. 27; 8 a.m. to 5 p.m. Cloudy, but clearing about noon; temp. 22° to 30°; wind SW, 10-20 m.p.h.; most water not frozen, except around the edges of the smaller ponds; the previous days had been warm. Three observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 30 (6 on foot, 24 by car). Mallard, 6; Black Duck, 7; Am. Widgeon, 5; Turkey Vulture, 47; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 5; Virginia Rail, 3; Florida Gallinule, 1; Killdeer, 12; Belted Kingfisher, 4; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker 8; Am. Crow, 5000+; Carolina Chickadee, 12; Tufted Titmouse, 18; White-breasted Nuthatch, 4; Brown Creeper, 1; Eastern Bluebird, 3; Common Starling, 212+; House Sparrow, 53; Cardinal, 12; Am. Goldfinch, 16; Slate-colored Junco, 32; Am. Tree Sparrow, 58; White-crowned Sparrow, 9; White-throated Sparrow, 1; Song Sparrow, 44. **Total,** 29 species; about 5578 individuals. The Fla. Gallinule was of this year's brood and had lost one leg. The crows were in large flocks in almost continuous movement.—Dorothy H. Caperton, James S. Gutsell, Clark Miller.

228. Huntington, W. Va. (same area as 1940 and subsequent counts).—Dec. 21; 3 a.m. to 5 p.m. Cloudy; temp. 40°; quiet and muddy. Thirty-one observers in 12 parties. Total party-hours, 79 (68 on foot, 11 by car); total party-miles, 374 (65 on foot, 309 by car). Common Loon, 2; Horned Grebe, 3; Pied-billed Grebe, 6; Great Blue Heron, 3; Black-crowned Night Heron, 1; Canada Goose, 6; Mallard, 9; Black Duck, 1; Gadwall, 3; Pintail, 2; Greater Scaup, 1; Lesser Scaup, 2; Am. Golden-eye, 1; Buffle-head, 2; Am. Merganser, 1; Red-breasted Merganser, 3; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 25; Ruffed Grouse, 2; Bob-white, 31; Am. Coot, 1; Killdeer, 11; Am. Woodcock, 1; Wilson's Snipe, 1; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 63; Barn Owl, 2; Screech Owl, 1; Horned Owl, 1; Barred Owl, 4; Saw-whet Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 37; Pileated Woodpecker, 7; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 9; Downy Woodpecker, 59; Eastern Phoebe, 5; Horned Lark, 16; Blue Jay, 74; Am. Crow, 5600; Carolina Chickadee, 158; Tufted Titmouse, 165; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 7; Brown Creeper, 4; Winter Wren, 8; Carolina Wren, 77; Mockingbird, 5; Catbird, 1; Am. Robin, 27; Hermit Thrush, 4; Eastern Bluebird, 75; Golden-crowned Kinglet, 13; Water Pipit, 4; Cedar Waxwing, 117; Loggerhead Shrike, 1; Common Starling, 559; Myrtle Warbler, 187; House Sparrow, 309; Eastern Meadowlark, 7; Red-winged Blackbird, 4; Rusty Blackbird, 3; Purple Grackle (Bronzed), 1; Brown-headed Cowbird, 9; Cardinal, 265; Purple Finch, 4; Pine Siskin, 1; Am. Goldfinch, 171; Eastern Towhee, 115; Vesper Sparrow, 3; Pine-woods Sparrow, 1; Slate-colored Junco, 407; Am. Tree Sparrow, 36; Chipping Sparrow, 1; Field Sparrow, 19; White-crowned Sparrow, 4; White-throated Sparrow, 110; Fox Sparrow, 2; Swamp Sparrow, 16; Song Sparrow, 154. **Total,** 87 species; 9101 individuals.—Mrs. M. E. Beckett, Mr. and Mrs. Marcus Crenshaw, Mr. and Mrs. W. A. Coakley, Nell Rose Dean, William Fox, R. M. Edeburn (compiler), Lois Garrett, N. B. Green, George H. Gunnoe, Mrs. Herman Hartley, Mrs. H. C. Hale, Mrs. Ira Kail, Julia Kerr, R. L. Land, W. F. McElfresh, Tommy Milewski, Olive Mortison, Frances Myers, Clare Newman, Iva Nowlan, Mrs. W. H. Odell, David Pilkinton, Mr. and Mrs. H. A. Resener, Elizabeth Risen, Joseph Roberts, Mrs. Wm. Scrimageous, George Vickery, Rachel Wilson (Huntington Bird Club).

229. Morgantown, W. Va. (city limits and outside to Cheat Lake; farm lands, fallow fields, forests, water).—Dec. 21; 8 a.m. to 6 p.m. Overcast; temp. 40° to 45°; quiet; ground bare; lake open. Eight observers in 4 parties. Total party-hours, 29 (24 on foot, 5 by car); total party-miles, 89 (37 on foot, 52 by car). Common Loon, 2; Pied-billed Grebe, 1; Mallard, 13; Black Duck, 150; Buffle-head, 10; White-winged Scoter, 10; Hooded Merganser, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 2 (1 drumming); Bob-white, 12; Ring-necked Pheasant, 5; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 22; Pileated Woodpecker, 8; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 36; Horned Lark, 40; Blue Jay, 4; Am. Crow, 169; Carolina Chickadee, 95; Tufted Titmouse, 114; White-breasted Nuthatch, 19; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 35; Am. Robin, 14; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 8; Cedar Waxwing, 11; Common Starling, 103; Myrtle Warbler, 15; House Sparrow, 230; Red-winged Blackbird, 6; Cardinal, 201; Am. Goldfinch, 16; Eastern Towhee, 3; Slate-colored Junco, 80; Am. Tree Sparrow, 160; Field Sparrow, 11; Song Sparrow, 59; **Total,** 49 species; 1710 individuals.—Billy Berthy, I. B. Boggs, Fred C. Brooks, Maurice Brooks, Wayne Davis, E. N. McCue, Charles Thomas, Chris Weiland.

230. Mt. Lookout, (Nicholas Co.), W. Va. (same area as in 1941 and later counts; deciduous and hemlock woodland 74%, pine grove 1%, farm land 25%).—Dec. 28. Clear; temp. 15° to 25°; wind NW, 1-7 m.p.h.; ground bare. Two observers, together. Total hours, 7; total miles, 9 (on foot). Horned Owl, 1; Ruffed Grouse, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Am. Crow, 2; Black-capped Chickadee, 2; Tufted Titmouse, 15; Winter Wren, 1; Carolina Wren, 5; Am. Robin, 186; Hermit Thrush, 2; Golden-crowned Kinglet,

8; Common Starling, 13; House Sparrow, 35; Cardinal, 5; Purple Finch, 2; Pine Siskin, 7; Am. Goldfinch, 16; Eastern Towhee, 8; Slate-colored Junco, 55; Am. Tree Sparrow, 3; Field Sparrow, 15; White-throated Sparrow, 18. **Total,** 25 species; 409 individuals.—Alton McClung, Richard Legg.

231. Bowling Green, Ky. (Schneider, Taylor, Chaney, McElroy Farms; mouth of Gasper; Lost River; Three Springs; streambanks 25%, open woods 25%, farm lands 50%).—Dec. 22; 6:30 a.m. to 4:30 p.m. Cloudy; intermittent showers; temp. 38° to 43°; wind SW, 1-7 m.p.h.; ground bare; streams very low. Four observers in 3 parties. Total party-hours, 22½ (19½ on foot, 3 by car), total party-miles, 38 (13 on foot, 25 by car). Great Blue Heron, 1; Mallard, 264; Wood Duck, 2; Ring-necked Duck, 2; Rough-legged Hawk, 2; Sparrow Hawk, 4; Killdeer, 16; Wilson's Snipe, 5; Mourning Dove, 140; Belted Kingfisher, 3; Yellow-shafted Flicker, 24; Pileated Woodpecker, 7; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 32; Eastern Phoebe, 1; Horned Lark, 115; Blue Jay, 65; Am. Crow, 401; Carolina Chickadee, 92; Tufted Titmouse, 43; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 28; Mockingbird, 16; Am. Robin, 77; Hermit Thrush, 6; Eastern Bluebird, 22; Golden-crowned Kinglet, 8; Cedar Waxwing, 28; Loggerhead Shrike, 2; Common Starling, 1020; Myrtle Warbler, 14; House Sparrow, 287; Eastern Meadowlark, 2; Rusty Blackbird, 85; Cardinal, 167; Purple Finch, 9; Am. Goldfinch, 82; Eastern Towhee, 42; Slate-colored Junco, 132; Am. Tree Sparrow, 10; Field Sparrow, 1; White-crowned Sparrow, 62; White-throated Sparrow, 101; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 37. **Total,** 52 species; 3493 individuals. (Seen in area Dec. 21: Bob-white; Dec. 29: Black Duck, Black Vulture, Marsh Hawk.)—L. Y. Lancaster, Charles L. Taylor, J. R. Whitmer, Gordon Wilson (Western Kentucky State College).

232. Danville, Ky. (same as last year but more attention to thickets and water areas).—Dec. 26; 7 a.m. to 5 p.m. Cloudy early but mostly clear; temp. 25° to 40°; wind SW, 10-15 m.p.h.; no water frozen. Five observers in 3 parties. Total party-hours, 23 (7 on foot, 16 by car); total party-miles, 200 (8 on foot, 192 by car). Great Blue Heron, 1; Mallard, 32; Black Duck, 3; Blue-winged Teal, 2; Canvas-back, 2; Hooded Merganser, 2; Turkey Vulture, 12; Red-tailed Hawk, 2; Sparrow Hawk, 26; Am. Coot, 2; Killdeer, 9; Wilson's Snipe, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 10; Horned Lark, 6; Blue Jay, 3; Am. Crow, 5700; Carolina Chickadee, 32; Tufted Titmouse, 16; Carolina Wren, 7; Mockingbird, 3; Am. Robin, 1; Eastern Bluebird, 22; Golden-crowned Kinglet, 1; Common Starling, 565; House Sparrow, 160; Eastern Meadowlark, 34; Purple Grackle (Bronzed), 2; Cardinal, 72; Am. Goldfinch, 10; Eastern Towhee, 6; Slate-colored Junco, 170; Field Sparrow, 97; White-crowned Sparrow, 33; White-throated Sparrow, 11; Song Sparrow, 29. **Total,** 39 species; about 7097 individuals.—Edna Drill Heck, Frank Heck, John Cheek, Margaret Glore, Scott Glore, Jr. (compiler).

233. Henderson, Ky. (7½-mile radius from Audubon State Park museum; deciduous woods 28%, sloughs and bottomlands 12%, hills, fields and fencerows 25%, rivers and banks 18%, small thickets 9%, town and suburbs 5%, abandoned fields 3%).—Dec. 20; 7:30 a.m. to 4 p.m. Cloudy, some drizzle; temp. 53° to 40°; wind S to NW at 11 a.m., 8-11 m.p.h.; passage of a cold front with threat of snow made birds very active. Twenty observers in 5 parties. Total party-hours, 34 (16 on foot, 12 by car, 6 by boat); total party-miles, 32 (15½ on foot, 10 by car, 6½ by boat). Common Loon, 16; Pied-billed Grebe, 2; Double-crested Cormorant, 1; Great Blue Heron, 12; Black-crowned Night Heron, 1; Canada Goose, 1129 (including 3 Hutchins's); Mallard, 25,000 (est.); Black Duck, 1900 (est.); Pintail, 216; Green-winged Teal, 70; Wood Duck, 1; Redhead, 2; Ring-necked Duck, 60; Canvas-back, 220; Lesser Scaup, 1100 (est.); Am. Golden-eye, 80; Buffle-head, 12; Old-squaw, 6; Ruddy Duck, 7; Am. Merganser, 37; Red-breasted Merganser, 135; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 13; Red-shouldered Hawk, 22; Bald Eagle, 4; Marsh Hawk, 14; Peregrine Falcon, 4; Sparrow Hawk, 33; Osprey, 1 [no details—Ed.]; Bob-white, 15; Killdeer, 51; Am. Woodcock, 1; Wilson's Snipe, 1; Mourning Dove, 261; Barn Owl, 1; Screech Owl, 2; Horned Owl, 3; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 23; Pileated Woodpecker, 9; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 10; Downy Woodpecker, 34; Horned Lark, 35; Blue Jay, 67; Am. Crow, 10,000 (est.); Carolina Chickadee, 75; Tufted Titmouse, 62; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 4; Bewick's Wren, 4; Carolina Wren, 8; Long-billed Marsh Wren, 1; Mockingbird, 22; Brown Thrasher, 1; Am. Robin, 2; Hermit Thrush, 8; Eastern Bluebird, 36; Ruby-crowned Kinglet, 2; Cedar Waxwing, 14; Loggerhead Shrike, 3; Common Starling, 520; Myrtle Warbler, 1; House Sparrow, 352; Eastern Meadowlark, 276; Purple Grackle (Bronzed), 23; Brown-headed Cowbird, 151; Cardinal, 229; Am. Goldfinch, 8; Eastern Towhee, 15; Slate-colored Junco, 74; Am. Tree Sparrow, 6; Chipping Sparrow, 26; Field Sparrow, 51; Harris's Sparrow, 4 [no details—Ed.]; White-crowned Sparrow, 31; White-throated Sparrow, 4; Fox Sparrow, 6; Song Sparrow, 10. **Total,** 87 species (1 additional subspecies); about 42,712 individuals. (Snowy Owl seen Dec. 13 [Mrs. Manion]; Herring Gulls, Dec. 11 [W. P. Rhoads]).—Walter Alves, King Benson, Franklin Berry, Leslie Clark, Mrs. Lora Clark, Jimmy Frields, Amelia Klutey, Mrs. Leo Manion, W. P. Rhoads (compiler), Mrs. Arch Shelton, Virginia Smith, R. C.

Soaper, Mrs. George Stanley, Jr., Mr. and Mrs. Nat Stanley, Sr., Mr. and Mrs. Nat Stanley, Jr., Mrs. Richard Stites, Edna Vogel, Mrs. Zanida Watson (Henderson Audubon Society).

234. Kentucky Woodlands National Wildlife Refuge, Ky. (7½-mile radius centering at Laura Lease, extending northward to Kentucky Dam and southward to Rock Castle road, eastward to the Cumberland River and westward to Kentucky Lake; open water 25%, woodland 14%, shoreline 4%, hedgerow 14%, open fields 18%, roadside 25%).—Dec. 27; 6:30 a.m. to 4:30 p.m. Partly cloudy; temp. 24° to 35°; wind NE, 0-12 m.p.h.; ground frozen in early morning and thawed remainder of day; water frozen in more sheltered bays. Nine observers in 6 parties. Total party-hours, 34 (25 on foot, 9 by car); total party-miles, 144 (18 on foot, 126 by car). Great Blue Heron, 4; Canada Goose, 3260 (est.); Snow Goose, 1; Mallard, 2225 (est.); Black Duck, 404 (est.); Gadwall, 4; Am. Widgeon, 38; Pintail, 1; Ring-necked Duck, 20; Lesser Scaup, 35; Am. Golden-eye, 12; Buffle-head, 4; Ruddy Duck, 1; Hooded Merganser, 4; Am. Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Bald Eagle, 3; Ruffed Grouse, 2; Bob-white, 9; Turkey, 11; Am. Coot, 28; Killdeer, 5; Herring Gull, 3; Ring-billed Gull, 2018 (2000 est.); Mourning Dove, 19; Screech Owl, 1; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 20; Pileated Woodpecker, 2; Red-bellied Woodpecker, 6; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 22; Blue Jay, 20; Am. Crow, 61; Carolina Chickadee, 85; Tufted Titmouse, 26; White-breasted Nuthatch, 23; Carolina Wren, 12; Mockingbird, 1; Am. Robin, 3; Eastern Bluebird, 23; Golden-crowned Kinglet, 2; Cedar Waxwing, 2; Common Starling, 129; Myrtle Warbler, 2; House Sparrow, 45; Eastern Meadowlark, 4; Red-winged Blackbird, 6; Purple Grackle, 2; Cardinal, 70; Purple Finch, 104; Am. Goldfinch, 198; Eastern Towhee, 32; Savannah Sparrow, 2; Leconte's Sparrow, 1; Slate-colored Junco, 310 (est.); Am. Tree Sparrow, 15; Field Sparrow, 7; White-crowned Sparrow, 2; White-throated Sparrow, 23; Fox Sparrow, 5; Swamp Sparrow, 10; Song Sparrow, 4. **Total,** 67 species; 9414 individuals.—Fred Cunningham, Judith Cunningham, Eugene Cypert (compiler), Mary Louise Cypert, Kathleen Key, O. W. McNeely, Lauren Putnam, Nellie Strickland, Grace Wyatt.

235. Louisville, Ky. (same area as last and previous years).—Dec. 21; 6 a.m. to 5 p.m. Overcast; temp. 31° to 46°; wind very slight, 2-5 m.p.h.; rain previous two days; all water open. Thirty-five observers in 11 parties. Total party-hours, 75 (68 on foot, 6 by car, 1 by boat); total party-miles, 93 (39 on foot, 52 by car, 2 by boat). Common Loon, 2; Horned Grebe, 2; **Eared Grebe,** 1 (first state record: observed as close as 20 yards in good light in morning by Monroes; all field marks noted, dark neck, conspicuous white ear patch, and slender, upturned bill; observed again in afternoon by Brecher); Pied-billed Grebe, 10; Black-crowned Night Heron, 21; Canada Goose, 63; Mallard, 228; Black Duck, 215; Am. Widgeon, 6; Pintail, 2; Green-winged Teal, 1; Ring-necked Duck, 20; Canvas-back, 75; Greater Scaup, 1 (shot by hunter); Lesser Scaup, 301; Am. Golden-eye, 3; Buffle-head, 27; Ruddy Duck, 26; Hooded Merganser, 10; Am. Merganser, 3; Turkey Vulture, 6; Black Vulture, 7; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 6; Red-shouldered Hawk, 7; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 53; Bob-white, 5; Am. Coot, 2; Killdeer, 5; Am. Woodcock, 1; Herring Gull, 142; Ring-billed Gull, 900 (±100); Bonaparte's Gull, 20; Mourning Dove, 79; Screech Owl, 1; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 73; Pileated Woodpecker, 5; Red-bellied Woodpecker, 43; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 10; Downy Woodpecker, 76; Horned Lark, 2; Blue Jay, 101; Am. Crow, 2454; Carolina Chickadee, 128; Tufted Titmouse, 149; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 2; Brown Creeper, 14; Winter Wren, 7; Carolina Wren, 41; Mockingbird, 40; Am. Robin, 169; Hermit Thrush, 1; Eastern Bluebird, 134; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Cedar Waxwing, 71; Loggerhead Shrike, 3; Common Starling, 11,404; Myrtle Warbler, 2; House Sparrow, 159; Eastern Meadowlark, 8; Red-winged Blackbird, 3; Rusty Blackbird, 2; Purple Grackle, 500; Cardinal, 622; Purple Finch, 11; Pine Siskin, 109; Am. Goldfinch, 62; Eastern Towhee, 263; Slate-colored Junco, 411; Am. Tree Sparrow, 95; Field Sparrow, 10; White-crowned Sparrow, 12; White-throated Sparrow, 136; Fox Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 86. **Total,** 86 species; about 19,735 individuals. (Seen recently: Dec. 14, Great Blue Heron and Eastern Phoebe; Dec. 28, Redhead and White-winged Scoter; Baltimore Oriole, 1 [appeared at feeding counter of Dr. Arch Cole in Audubon Park, Louisville, on Dec. 26; specimen taken Jan. 2—Lovell, Monroes]. Of notable interest is amazing scarcity of Horned Larks and absence of Lapland Longspurs.) —Kim Babcock, Leonard Brecher, Helen Browning, Floyd Carpenter, William Clay, Jacob P. Doughty, Mrs. J. J. Ellington, Tom Fuller, Paxton Gibbs, Bob Kellogg, Mr. and Mrs. F. X. Krull, Dr. and Mrs. Harvey B. Lovell, Howard Mitchell, Burt Monroe, Jr., Burt Monroe, Sr., Mrs. H. V. Noland, Louis and Marie Pieper, Evelyn Schneider, Walter Shackleton, Mr. and Mrs. Francis Shannon, Mabel Slack, Jerry Smith, Dr. and Mrs. F. W. Stamm, Bob Steilberg, Charles Strull, Mrs. Fan Tabler, Mr. and Mrs. S. Charles Thacher, Virginia Winstandley, Audrey Wright (Beckham Bird Club).

236. Otter Creek Park (Meade Co.), Ky. (the park, bank of the Ohio River for 2 miles and adjacent farm lands; creek bank 5%, Ohio River 15%, deciduous woods 30%, fields 30%, thickets 20%).—Dec. 28; 8 a.m. to 4 p.m. Cloudy; [temp. not stated]; wind 2-5 m.p.h. Six observers in 3 parties. Total party-hours, 19 (16 on foot, 3 by car); total party-miles, 22 (10 on foot, 12 by car). Mallard, 70; Black Duck, 50; Lesser Scaup, 10;

Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Bob-white, 12; Belted Kingfisher, 2; Yellow-shafted Flicker, 19; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 53; Am. Crow, 172; Carolina Chickadee, 45; Tufted Titmouse, 22; White-breasted Nuthatch, 4; Brown Creeper, 8; Winter Wren, 2; Carolina Wren, 11; Short-billed Marsh Wren, 1; Mockingbird, 1; Am. Robin, 41; Hermit Thrush, 2; Eastern Bluebird, 11; Golden-crowned Kinglet, 10; Cedar Waxwing, 28; Common Starling, 75; Myrtle Warbler, 18; House Sparrow, 3; Eastern Meadowlark, 1; Cardinal, 77; Purple Finch, 50; Am. Goldfinch, 2; Eastern Towhee, 11; Slate-colored Junco, 152; Am. Tree Sparrow, 13; Field Sparrow, 10; White-crowned Sparrow, 2; White-throated Sparrow, 3; Fox Sparrow, 1; Swamp Sparrow, 11; Song Sparrow, 21. **Total,** 47 species; 1052 individuals.—Floyd Carpenter, Dr. Perry Frazer, Frank X. Krull, Harvey B. Lovell (compiler), Mr. and Mrs. Fred W. Stamm (Ky. Ornith. Society).

237. Paducah, Ky. (same territory as in 1946, 1947 and 1950, along the Ohio and Tennessee Rivers 5 miles south and 3 miles northwest of Paducah; deciduous woodlands 40%, stream banks 10%, brushy fields 30%, open fields and pastures 20%).—Dec. 22; 7:30 a.m. to 4:30 p.m. Cloudy and rainy all day; temp. 39° to 47°; wind NE, 5-8 m.p.h. One observer. Total hours, 9 (6 on foot, 3 by car), total miles, 39 (7 on foot, 32 by car). Great Blue Heron, 1; Mallard, 217; Black Duck, 53; Lesser Scaup, 15; Black Vulture, 4; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 11; Am. Coot, 155; Killdeer, 1; Herring Gull, 12; Ring-billed Gull, 64; Mourning Dove, 2; Barred Owl, 2; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 5; Blue Jay, 23; Am. Crow, 30; Carolina Chickadee, 15; Tufted Titmouse, 6; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 5; Brown Thrasher, 1; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 12; Golden-crowned Kinglet, 7; Loggerhead Shrike, 2; Common Starling, 771 (500 est., 271); House Sparrow, 70; Eastern Meadowlark, 13; Red-winged Blackbird, 576; Rusty Blackbird, 28; Purple Grackle, 4; Brown-headed Cowbird, 19; Cardinal, 17; Am. Goldfinch, 42; Eastern Towhee, 7; Slate-colored Junco, 90; Am. Tree Sparrow, 68; Field Sparrow, 11; White-crowned Sparrow, 1; White-throated Sparrow, 31; Fox Sparrow, 1; Swamp Sparrow, 9; Song Sparrow, 15. **Total,** 56 species; about 2471 individuals.—E. Esther Smith.

238. Elizabethton, Tenn. (same as in previous years).—Dec. 28; 7 a.m. to 5:30 p.m. Clear; temp. 21° to 38°; wind WNW, 0-15 m.p.h. Fourteen observers in 6 parties. Total party-hours, 36 (17 on foot, 19 by car); total party-miles, 125 (17 on foot, 108 by car). Pied-billed Grebe, 1; Mallard, 6; Black Duck, 11; Ring-necked Duck, 3; Lesser Scaup, 12; Buffle-head, 15; Hooded Merganser, 6; Sparrow Hawk, 4; Bob-white, 10; Mourning Dove, 82; Screech Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 10; Eastern Phoebe, 1; Blue Jay, 19; Am. Crow, 44; Carolina Chickadee, 45; Tufted Titmouse, 17; Brown Creeper, 2; Carolina Wren, 25; Mockingbird, 19; Am. Robin, 5; Hermit Thrush, 1; Eastern Bluebird, 27; Golden-crowned Kinglet, 26; Cedar Waxwing, 25; Loggerhead Shrike, 3; Common Starling, 159; Myrtle Warbler, 53; House Sparrow, 46; Eastern Meadowlark, 54; Cardinal, 86; Purple Finch, 1; Am. Goldfinch, 88; Eastern Towhee, 8; Slate-colored Junco, 159; Field Sparrow, 16; White-crowned Sparrow, 14; White-throated Sparrow, 75; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 40. **Total,** 45 species; 1239 individuals.—R. Bashor, J. C. & L. Browning, M. Cook, E. Evans, R. Graham, L. R. (compiler), L. M. & R. M. Herndon, D. & R. Hughes, J. B. & J. G. Luker, H. L. Taylor (Elizabethton Chapter, Tenn. Ornith. Soc.).

239. Great Smoky Mountains National Park, Tenn.-N. C. (same as 1937 and subsequent years).—Dec. 28; 6:30 a.m. to 6 p.m. Clear in mts.; overcast a.m. in lowlands; temp. 10° to 38°; wind SW, 1-10 m.p.h.; crusted snow patches in mts., ground bare in lowlands. Thirty observers in 10 parties. Total party-hours, 72 (62 on foot, 10 by car); total party-miles, 172 (66 on foot, 106 by car). Great Blue Heron, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 3; Ruffed Grouse, 20; Bob-white, 21; Killdeer, 16; Mourning Dove, 115; Screech Owl, 1; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 10; Yellow-shafted Flicker, 15; Pileated Woodpecker, 14; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 34; Eastern Phoebe, 11; Horned Lark, 6; Blue Jay, 29; Common Raven, 6; Am. Crow, 176; Black-capped Chickadee and Carolina Chickadee, 256; Tufted Titmouse, 15; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 19; Brown Creeper, 13; Winter Wren, 5; Bewick's Wren, 1; Carolina Wren, 46; Mockingbird, 15; Am. Robin, 28; Hermit Thrush, 20; Eastern Bluebird, 28; Golden-crowned Kinglet, 83; Ruby-crowned Kinglet, 2; Cedar Waxwing, 3; Loggerhead Shrike, 3; Common Starling, 29; House Sparrow, 140; Eastern Meadowlark, 40; Red-winged Blackbird, 2; Cardinal, 102; Purple Finch, 54; Pine Siskin, 625 (est.); Am. Goldfinch, 205; Red Crossbill, 36; Eastern Towhee, 20; Slate-colored Junco (including Carolina Junco), 500 (est.); Field Sparrow, 200 (est.); White-crowned Sparrow, 4 (4 birds observed by J. C. Howell just north of the mountains near Pigeon Forge—first time this species has appeared on our count); White-throated Sparrow, 170; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 127. **Total,** 57 species (1 additional subspecies); about 3300 individuals.—Jon Beasley, Hubert Bebb, Mr.

and Mrs. Harvey Broome, Mary Ruth Chiles, William Cole, Brockway Crouch, Hugh Davis, Jr., Ronald Davis, Mr. and Mrs. Robert J. Dunbar, Keeton Griffin, Joseph C. Howell, Don Hurley, William M. Johnson, May Kedney, Richard Laurence, Mrs. Frank Leonhard, Mr. and Mrs. R. A. Monroe, S. A. Ogden, Mrs. E. E. Overton, J. B. Owen, Robert R. Scott, Arthur Stupka, James T. Tanner, Fred Taylor, Charles Thompson, Samuel R. Tipton, D. W. Yambert (Tenn. Ornithological Society, National Park Service, and guests).

240. Jackson, Tenn. (same area as last year except that the Skyway Golf Course and Airport were not included; river bottoms 45%, open fields 35%, roadside thicket 10%, ponds 5%, upland woods 5%). —Dec. 29; 5:30 a.m. to 4:30 p.m. Morning partly cloudy, afternoon clear; temp. 30° to 52°; wind SW, 0-12 m.p.h. Three observers in 1 party. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 50 (10 on foot, 40 by car). Great Blue Heron, 2; Mallard, 75 (±10); Wood Duck, 3; Turkey Vulture, 30; Black Vulture, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 4; Bob-white, 18; Killdeer, 17; Wilson's Snipe, 9; Mourning Dove, 24; Barn Owl, 2; Screech Owl, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 78; Red-bellied Woodpecker, 33; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 21; Hairy Woodpecker, 5; Downy Woodpecker, 33; Horned Lark, 494 (±25); Blue Jay, 125; Am. Crow, 48; Carolina Chickadee, 74; Tufted Titmouse, 58; White-breasted Nuthatch, 4; Brown Creeper, 8; Winter Wren, 20; Bewick's Wren, 3; Carolina Wren, 36; Mockingbird, 24; Brown Thrasher, 24; Am. Robin, 13; Hermit Thrush, 11; Eastern Bluebird, 32; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 2; Water Pipit, 13; Cedar Waxwing, 22; Loggerhead Shrike, 25; Common Starling, 250 (±25); Myrtle Warbler, 22; House Sparrow, 300 (±25); Eastern Meadowlark, 305; Red-winged Blackbird, 99; Rusty Blackbird, 19; unidentified blackbirds, 2700; Purple Grackle, 9; Brown-headed Cowbird, 63; Cardinal, 120; Purple Finch, 4; Am. Goldfinch, 66; Eastern Towhee, 50; Savannah Sparrow, 12; Vesper Sparrow, 4; Slate-colored Junco, 390; Field Sparrow, 27; White-crowned Sparrow, 20; White-throated Sparrow, 252; Fox Sparrow, 49; Swamp Sparrow, 5; Song Sparrow, 170. **Total,** 67 species; about 6381 individuals.—Kilian Roever, Mrs. W. E. Roever, Jimmie Shaw.

241. Johnsonville, Tenn. (7½-mile radius centering at the Johnsonville Steam Plant and extending eastward and southward on the Tennessee National Wildlife Refuge and including the Duck River Dewatering Area and the adjacent portions of Kentucky Lake, and extending westward to include the town of Camden; river bottom farmland 50%, marshes 10%, open water and shoreline 20%, urban 5%, highways 5%, brushland 5%, bottomland hardwood bordered sloughs 5%).—Dec. 21; 7 a.m. to 4:30 p.m. Cloudy; temp. 32° to 45°; wind SE, 6 m.p.h.; ground wet but no rain fell during the day. Four observers in 1 party. Total party-hours, 9½ (7 on foot, 2½ by car); total party-miles, 33 (3 on foot, 30 by car). Double-crested Cormorant, 80 (est.); Great Blue Heron, 132; Canada Goose, 611; Snow Goose, 1; Blue Goose, 12; Mallard, 8310 (8000 est., 310); Black Duck, 500 (est.); Gadwall, 52; Am. Widgeon, 3; Pintail, 190 (est.); Green-winged Teal, 4; Wood Duck, 2; Ring-necked Duck, 75 (est.); Canvas-back, 23; Buffle-head, 1; Hooded Merganser, 9; Red-tailed Hawk, 22; Red-shouldered Hawk, 6; Golden Eagle, 2; Bald Eagle, 16; Marsh Hawk, 5; Sparrow Hawk, 4; Bob-white, 5; Am. Coot, 1; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 1; Ring-billed Gull, 44; Mourning Dove, 7; Barred Owl, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 3; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 4; Blue Jay, 31; Am. Crow, 80 (est.); Carolina Chickadee, 11; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Bewick's Wren, 3; Carolina Wren, 5; Mockingbird, 5; Brown Thrasher, 1; Am. Robin, 3; Eastern Bluebird, 12; Cedar Waxwing, 17; Loggerhead Shrike, 2; Common Starling, 30,000 (est.); House Sparrow, 50 (est.); Eastern Meadowlark, 55; Red-winged Blackbird, 260,000 (est.); Purple Grackle, 130,000 (est.); Brown-headed Cowbird, 30,000 (est.); Cardinal, 36; Am. Goldfinch, 30; Eastern Towhee, 11; Savannah Sparrow, 8; Slate-colored Junco, 6; Am. Tree Sparrow, 4; Field Sparrow, 5; White-crowned Sparrow, 6; White-throated Sparrow, 45; Fox Sparrow, 2; Swamp Sparrow, 100 (est.); Song Sparrow, 16. **Total,** 66 species; 460,697 individuals.—Eugene Cypert (compiler), Mary Louise Cypert, Robert Easley, Grace Wyatt.

242. Memphis, Tenn. (1946 area plus Penal Farm and NE corner President's Island; wooded bottomlands 25%, deciduous woodlots including city parks 30%, old cottonfields, pastures, airports, and farms 25%, suburban roadsides 20%).—Dec. 21; 6:45 a.m. to 5 p.m. Dark, cloudy in a.m., part cloudy in p.m.; temp. 39° to 45°; wind 1-5 m.p.h. Twenty-four observers in 8 parties. Total party-hours, 86 (66 on foot, 20 by car); total party-miles, 210 (52 on foot, 158 by car). Pied-billed Grebe, 5; Great Blue Heron, 16; Mallard, 63; Black Duck, 2; Pintail, 1; Ring-necked Duck, 275; Lesser Scaup, 34; Turkey Vulture, 11; Black Vulture, 1; Cooper's Hawk, 2; Red-tailed Hawk, 36; Red-shouldered Hawk, 13; Bald Eagle, 1 ad.; Marsh Hawk, 4; Sparrow Hawk, 30; Bob-white, 91; Am. Coot, 5; Killdeer, 143; Wilson's Snipe, 52; Herring Gull, 5; Ring-billed Gull, 178; Mourning Dove, 23; Screech Owl, 2; Barred Owl, 6; **Short-eared Owl,** 5 (attracted by blackbird roost); Belted Kingfisher, 3; Yellow-shafted Flicker, 137; Pileated Woodpecker, 2; Red-bellied Woodpecker, 62; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 21; Downy Woodpecker, 86; Eastern Phoebe, 2; Horned Lark, 169; Blue Jay, 362; Am. Crow, 132; Fish Crow, 1; Carolina Chickadee, 289; Tufted Titmouse, 177; White-

breasted Nuthatch, 8; Brown Creeper, 9; Winter Wren, 39; Carolina Wren, 110; Mockingbird, 109; Brown Thrasher, 24; Am. Robin, 218; Hermit Thrush, 32; Eastern Bluebird, 16; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 8; Water Pipit, 49; Cedar Waxwing, 26; Loggerhead Shrike, 30; Common Starling, 60,000 (est.); Myrtle Warbler, 64; House Sparrow, 531; Eastern Meadowlark, 515; Red-winged Blackbird, 150,000; Rusty Blackbird, 5; Brewer's Blackbird, 4; **Purple Grackle,** 550,000 (est.); Brown-headed Cowbird, 40,000; Cardinal, 566; Purple Finch, 24; Am. Goldfinch, 489; Eastern Towhee, 99; **Green-tailed Towhee,** 1 [1st Tenn. record, seen twice, all markings, at 60 ft. thru 10x50s coated (R.D.S. & R.G.); again on Dec. 23 (R.G.)]; Savannah Sparrow, 37; Leconte's Sparrow, 1 (L.C.); Slate-colored Junco, 639; Am. Tree Sparrow, 3 (F.C., W.W.); Field Sparrow, 83; **Harris's Sparrow,** 1 [Lu.K., E.K., immature, 2d Memphis (1st banded), at 10 ft. for 15 minutes]; White-crowned Sparrow, 43; **White-throated Sparrow,** 1307; Fox Sparrow, 70; Swamp Sparrow, 105; Song Sparrow, 396; Lapland Longspur, 228. **Total,** 80 species; about 808,381 individuals. Day counts, except at roost: for starling 6761, Red-winged Blackbird 6376, grackle 6206, and cowbird 456, excluding mile-long snake-like clouds moving as early as 4 p.m., not added in since roost estimate should embrace them. Estimates from 2 points as birds left roost Dec. 21 considered inadequate: estimate for Count of 800,000 +150,000±, based on evening estimates of Jan. 3, checked Jan. 4, and estimated 10% increase over Count date (based on size of roost area as seen from above). Four observers at ½ to 2 miles away checking main lines (7) of travel, recording varying widths of lines against time periods and rates of passage (total estimates, 895,000). Proportionate estimates for each species based on overhead observations but chiefly on a traverse thru the roost on the night of the Count (B.C., R.D.S.). The 5 Rusty Blackbirds were found in the roost, the 4 Brewer's Blackbirds elsewhere. [Banded Dec. 20, 1 Spotted Towhee (C.S.).] —Mr. and Mrs. Ben B. Coffey, Jr. (compilers), Mrs. Elizabeth Barton, Thompson Bonner, Frederick T. Carney, Mary Davant, Richmond Gill, Luther F. Keeton, Lawrence C. Kent, Edward M. King, Charles Marcus, Chas. McPherson, Jr., Mrs. J. H. McWhorter, Jim McWhorter, Nelle Moore, Chas. Seahorn, Jr., R. Demett Smith, Jr., Mrs. Ellen Stringer, Mr. and Mrs. M. L. Torti, Dr. Wendell L. Whittemore, Donald Wilson, Mrs. Rose N. Wooldridge, Orval M. Wood III (Memphis Chapter, Tenn. Ornith. Soc.).

243. Nashville, Tenn. (localities and terrain, same as last 2 years).—Dec. 21; 6:30 a.m. to 4:30 p.m. Overcast but visibility good; temp. 38° to 41°; wind 5-10 m.p.h.; ground bare and lightly frozen. Twenty-five observers in 7 parties. Total party-hours, 61 (45 on foot, 16 by car); total party-miles, 135 (38 on foot, 97 by car). Common Loon, 2; Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 130; Black Duck, 2; Gadwall, 1; Pintail, 3; Ring-necked Duck, 22; Lesser Scaup, 85; Black Vulture, 8; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 21; Bob-white, 46; Killdeer, 82; Wilson's Snipe, 6; Mourning Dove, 42; Screech Owl, 3; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 101; Pileated Woodpecker, 8; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 26; Hairy Woodpecker, 9; Downy Woodpecker, 60; Eastern Phoebe, 1; Horned Lark, 49; Blue Jay, 78; Am. Crow, 121; Carolina Chickadee, 134; Tufted Titmouse, 78; Brown Creeper, 13; Winter Wren, 3; Bewick's Wren, 7; Carolina Wren, 57; Mockingbird, 98; Am. Robin, 1100; Hermit Thrush, 8; Eastern Bluebird, 126; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 1; Water Pipit, 27 (1 flock); Cedar Waxwing, 10; Loggerhead Shrike, 8; Common Starling, 2780; Myrtle Warbler, 72; House Sparrow, 240; Eastern Meadowlark, 93; Red-winged Blackbird, 2; Purple Grackle, 40; Brown-headed Cowbird, 1; Cardinal, 373; Purple Finch, 12; Pine Siskin, 10; Am. Goldfinch, 213; Eastern Towhee, 85; Savannah Sparrow, 7; Leconte's Sparrow, 1; Vesper Sparrow, 2 (Riggs); Slate-colored Junco, 337; Am. Tree Sparrow, 1; Field Sparrow, 139; White-crowned Sparrow, 165; White-throated Sparrow, 220; Fox Sparrow, 5; Swamp Sparrow, 44; Song Sparrow, 232. **Total,** 72 species; 7735 individuals. (Seen in area Dec. 19 were Turkey Vulture, 2, and within one week following were Short-eared Owl, 2, Palm Warbler, 1, Brown Thrasher, 1, Am. Golden-eye 2, and 4 more Red-headed Woodpeckers).—B. H. Abernathy, O. C. Ault, Mrs. Wm. B. Bell, Ruth Castles, Bert Chambers, Mrs. Ovid Collins, Jr., Albert F. Ganier (compiler), Eddie Gleaves, Mrs. E. W. Goodpasture, Mrs. K. B. Everly, Frances Hager, Helen Howell, Al. Marsh, Al. Mayfield, Geo. R. Mayfield, Larry McLain, John Ogden, Douglas Oxford, Jennie Riggs, Jas. A. Robins, Mrs. Walter Sharp, Dan Schreiber, Edwin D. Schreiber, Mrs. E. B. Travis and Geo. B. Woodring (Nashville Chapter, Tenn. Ornith. Soc.).

244. Reelfoot Lake, Tenn. (Tiptonville east around lake via Spillway and Samburg to Walnut Log; essentially same area as in past; 50% deciduous woodland, 20% open lake, 10% marsh, 15% roadside, 5% farm).—Dec. 20; 5:30 a.m. to 5 p.m. Overcast, light rain; temp. 48° to 42°; wind NW, 5-15 m.p.h. Seven observers in 3 parties. Total party-hours, 31½ (21½ on foot, 3 by car, 7 by boat); total party-miles, 152 (32 on foot, 108 by car, 12 by boat). Pied-billed Grebe, 51; Double-crested Cormorant, 4500; Great Blue Heron, 87; Am. Egret, 29; Canada Goose, 4300 (est.); Mallard, 22,000; Black Duck, 27; Gadwall, 11,467; Am. Widgeon, 458; Pintail, 3129; Green-winged Teal, 8; Blue-winged Teal, 17; Shoveller, 82; Wood Duck, 2; Redhead, 1; Ring-necked Duck, 14,584; Canvasback, 16; Lesser Scaup, 184; Am. Golden-eye, 3; Buffle-head, 5; Ruddy Duck, 4; Hooded Merganser, 2; Turkey Vulture, 2; Black Vulture, 86; Red-tailed Hawk, 30; Red-shouldered Hawk, 6; Bald Eagle, 18; Marsh Hawk, 3; Peregrine Falcon,

2; Sparrow Hawk, 2; Bob-white, 9; Am. Coot, 1552; Killdeer, 7; Ring-billed Gull, 52; Mourning Dove, 46; Horned Owl, 2; Barred Owl, 7; Belted Kingfisher, 14; Yellow-shafted Flicker, 33; Pileated Woodpecker, 7; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 4; Downy Woodpecker, 24; Blue Jay, 21; Am. Crow, 70; Carolina Chickadee, 56; Tufted Titmouse, 68; White-breasted Nuthatch, 5; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 56; Mockingbird, 6; Brown Thrasher, 5; Am. Robin, 1; Hermit Thrush, 5; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Cedar Waxwing, 10; Loggerhead Shrike, 8; Common Starling, 250; Myrtle Warbler, 27; House Sparrow, 75; Eastern Meadowlark, 49; Red-winged Blackbird, 2,000,000; Purple Grackle, 500; Brown-headed Cowbird, 50; Cardinal, 130; Am. Goldfinch, 51; Eastern Towhee, 1; Slate-colored Junco, 177; Am. Tree Sparrow, 40; Field Sparrow, 41; White-crowned Sparrow, 54; White-throated Sparrow, 131; Fox Sparrow, 27; Swamp Sparrow, 15; Song Sparrow, 86. **Total,** 79 species; 2,064,936 individuals.—Howard Barbig, Evelyn Barbig, Thomas Walker, Charles McPherson, Brother Leo Thomas, Richmond Gill, George Peyton.

245. Roan Mountain, Tenn.-N.C. (from crossing of old and new roads (3750 ft.) on old road to Carver's Gap (5512 ft.), thence on new road to parking area on Roan Mt. (6100 ft.), return to Carver's Gap, Round Bald (5826 ft.) and Engine Gap (5600 ft.), route of descent from Carver's Gap same as on ascent; deciduous woodland 70%, spruce and fir mixed with rhododendron 20%, grassy treeless area 10%).—Dec. 21; 7 a.m. to 4:45 p.m. Drizzle and poor light till mid-morning, blanket of low clouds, dim sun through fog 10:30 to 2:30, heavy fog and again poor light rest of day, visibility no more than 200 to 400 ft. all day; temp 38°-30°-34°; wind variable NW-N-NE 1-20 m.p.h.; 1 to 3 in. slushy snow from 4500 ft. upward; trees above 5500 ft. covered with light coat of ice, rime, snow. Total hours, 9¾; total miles, 8 (on foot). Ruffed Grouse, 4 (4950 to 5200 ft); Downy Woodpecker, 1 (4250 ft.); Blue Jay, 3 (5700 ft.); chickadee (sp.), 5 (4100 to 4900 ft.); Tufted Titmouse, 16 (4100 to 5700 ft.); White-breasted Nuthatch, 1 (4450 ft.); Red-breasted Nuthatch, 1 (5900 ft.); Golden-crowned Kinglet, 1 (5750 ft.); Slate-colored Junco, 4 (4050 to 4200 ft.). **Total,** 9 species; 36 individuals.—Fred W. Behrend (Elizabethton Chapter T. O. S.).

246. Birmingham, Ala. (7½-mile radius centering in Merkle and including East Lake, Lake Purdy, Oak Mountain and intervening areas, mostly south and east of the city; oak-pine woodland 35%, woodland borders 15%, pastures 15%, cultivated fields 12%, pond and lake front 13%, suburban areas 10%).—Dec. 20; 6 a.m. to 6 p.m. Rainy and overcast; temp. 60° to 51°; wind S, 8 m.p.h. until 2 then W, 16 m.p.h. when cold front arrived; water levels very low with much mud flat exposed. Fifteen observers in 5 parties. Total party-hours, 40½ (32 on foot, 8½ by car); total party-miles, 130 (25 on foot, 105 by car). Horned Grebe, 2; Pied-billed Grebe, 38; Great Blue Heron, 4; Mallard, 2; Gadwall, 6; Am. Widgeon, 4; Pintail, 1; Redhead, 14; Ring-necked Duck, 90; **Canvas-back,** 31; Lesser Scaup, 11; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 11; Am. Coot, 520; Killdeer, 126; Wilson's Snipe, 2; **Least Sandpiper,** 3 (T.A.I.); **Herring Gull,** 7; Mourning Dove, 16; Barred Owl, 1; Belted Kingfisher, 9; **Yellow-shafted Flicker,** 54; Pileated Woodpecker, 12; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 6; Downy Woodpecker, 34; Red-cockaded Woodpecker, 5; Eastern Phoebe, 4; Blue Jay, 117; Am. Crow, 48; Carolina Chickadee, 112; Tufted Titmouse, 88; White-breasted Nuthatch, 18; Brown-headed Nuthatch, 33; Brown Creeper, 11; Winter Wren, 7; Bewick's Wren, 6; Carolina Wren, 107; **Short-billed Marsh Wren,** 4 (B.E.D.); Mockingbird, 46; Brown Thrasher, 20; Am. Robin, 65; **Hermit Thrush,** 38; Eastern Bluebird, 158; Golden-crowned Kinglet, 70; Ruby-crowned Kinglet, 50; Water Pipit, 129; Cedar Waxwing, 90; Loggerhead Shrike, 14; Common Starling, 5065; Myrtle Warbler, 14; Pine Warbler, 45; House Sparrow, 53; Eastern Meadowlark, 175; Red-winged Blackbird, 131; Rusty Blackbird, 20; Purple Grackle, 50; Cardinal, 151; Purple Finch, 41; Pine Siskin, 13; Am. Goldfinch, 162; Eastern Towhee, 149; Savannah Sparrow, 63; **Grasshopper Sparrow,** 2 (B.E.D.); Vesper Sparrow, 1; Slate-colored Junco, 319; Chipping Sparrow, 11; Field Sparrow, 107; **White-crowned Sparrow,** 4 (T.A.I., M.H.P.); **White-throated Sparrow,** 516; Fox Sparrow, 19; Swamp Sparrow, 123; Song Sparrow, 165. **Total,** 79 species; about 9693 individuals. Roost of 10,000 grackles in Lane Park broken up a week earlier.—E. Plummer Beaumont, Julian Butler, Blanche H. Chapman, F. Bozeman Daniel, Blanche E. Dean, Elizabeth Eddy, Malcolm Harden, Jr., Thomas A. Imhof (compiler), Morton H. Perry, Morton H. Perry, Jr., M. F. Prather, Larry Pratt, Nannie Myrtle Price, Alfred A. Walker, Jr., Harriet Wright (Birmingham Audubon Society).

247. Decatur, Ala. (Wheeler National Wildlife Refuge, 7½-mile radius centering in Tennessee River just south of Sively Slough; north shore Triana to Whiteside and south shore Cave Spring to Decatur inclusive; sloughs managed for waterfowl 40%, woods borders 20%, uncultivated fields and brushy areas 15%, cultivated fields 10%, hardwood bottoms 10%, pine plantations 5%).—Dec. 27; 7:45 a.m. to 5:45 p.m. Partly cloudy, clearing (.7-.2); temp. 35° to 55°; wind W to NNW, 0-10 m.p.h.; ground bare, water open, level low, corn left standing in fields for waterfowl virtually exhausted. Ten observers in 3 parties. Total party-hours, 25 (8 on foot, 17 by car); total party-miles, 170 (10 on foot, 160 by car). Pied-billed Grebe, 1; Double-crested Cormorant, 11; Great Blue Heron, 45; Canada Goose, 5619; Snow Goose, 7; Blue Goose, 75; Mallard, 8110; Black Duck, 970; Gadwall, 53; Am. Widgeon, 956; Pintail, 2140; Green-winged Teal, 3; **Blue-**

winged Teal, 13; Shoveller, 12; Redhead, 1; Ring-necked Duck, 4; Canvas-back, 6; Lesser Scaup, 4; Am. Golden-eye, 6; Buffle-head, 14; Hooded Merganser, 126; Am. Merganser, 4; Turkey Vulture, 2; Black Vulture, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 6; Bald Eagle, 1 (imm.); Marsh Hawk, 23; Sparrow Hawk, 2; Bob-white, 9; Am. Coot, 2; Killdeer, 170; Wilson's Snipe, 3; Herring Gull, 49; Ring-billed Gull, 90; Mourning Dove, 202; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 5; Eastern Phoebe, 19; Horned Lark, 7; Blue Jay, 176; Am. Crow, 6568; Carolina Chickadee, 39; Tufted Titmouse, 2; Brown Creeper, 9; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 26; Mockingbird, 36; Brown Thrasher, 1; Am. Robin, 58; Hermit Thrush, 7; Eastern Bluebird, 29; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 4; Water Pipit, 58; Cedar Waxwing, 184; Loggerhead Shrike, 32; Common Starling, 74; Myrtle Warbler, 17; Pine Warbler, 1; House Sparrow, 215; Eastern Meadowlark, 220; Red-winged Blackbird, 841; Rusty Blackbird, 25; Purple Grackle, 10; Cardinal, 181; Purple Finch, 3; Am. Goldfinch, 171; Eastern Towhee, 81; Savannah Sparrow, 48; Slate-colored Junco, 260; Field Sparrow, 120; White-crowned Sparrow, 45; White-throated Sparrow, 367; Fox Sparrow, 17; Swamp Sparrow, 202; Song Sparrow, 105. **Total,** 82 species; about 38,847 individuals. (Ducks at 25% due to summer drought and poor corn crop.)—Thomas Z. Atkeson, E. Plummer Beaumont, B. J. Byford, Ernest A. Byford, William J. Calvert, Jr., Robert H. Helle, Frank Howell, Thomas A. Imhof (compiler), Jim Saunders, Alfred A. Walker, Jr. (U. S. Fish and Wildlife Service and Alabama Ornithological Society).

248. Columbus, Miss. (Old Macon Rd. S to Y Camp on Tombigbee R., Lake Norris, state hwy. 69 SE 5 miles; 5 miles NW of town; highways and old fields 20%, pastures 25%, deciduous wooded bottoms 20%, tupelo swamps 7%, gravel-pit ponds 8%, mixed pine-hardwoods 20%).—Dec. 25; 7:15 a.m. to 4:30 p.m. Clear; temp. 36° to 48°; wind N, 5-15 m.p.h. One observer. Total hours, 9 (5 on foot, 4 by car); total miles, 44 (4 on foot, 40 by car). Great Blue Heron, 1; **Am. Egret,** 1; Turkey Vulture, 3; Black Vulture, 8; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 6; Killdeer, 118; Wilson's Snipe, 5; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 8; Eastern Phoebe, 2; Blue Jay, 45; Am. Crow, 17; Carolina Chickadee, 22; Tufted Titmouse, 18; Brown Creeper, 4; Winter Wren, 5; Carolina Wren, 13; Mockingbird, 13; Brown Thrasher, 3; Am. Robin, 51; Hermit Thrush, 13; Eastern Bluebird, 23; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 3; Water Pipit, 58; Cedar Waxwing, 33; Loggerhead Shrike, 10; Common Starling, 32; Myrtle Warbler, 32; House Sparrow, 37; Eastern Meadowlark, 131; Red-winged Blackbird, 89; Rusty Blackbird, 3; Purple Grackle, 2; Cardinal, 156; Purple Finch, 1; Am. Goldfinch, 9; Eastern Towhee, 20; Savannah Sparrow, 9; Vesper Sparrow, 37; Slate-colored Junco, 42; Field Sparrow, 20; White-throated Sparrow, 438; Fox Sparrow, 2; Swamp Sparrow, 24; Song Sparrow, 14; Lapland Longspur, 30. **Total,** 56 species; 1692 individuals. —Ben B. Coffey, Jr.

249. Moon Lake, Lula, Miss. (same routes as 1947-51 exc. 3-hr. a.m. hwy. and bayou section; lake from shoreline drive 20%, levee 15%, river's edge 5%, narrow timbered bayous 20%, highway and old cottonfields and pasture 20%, wooded bottoms 20%). One party late, missed route; duplications and ineffective time eliminated.—Dec. 28; 7 a.m. to 5 p.m. Fair; temp. 29° to 50°; no wind; no hunting apparent. Seven observers in 2 parties. Total party-hours, 17 (10 on foot, 7 by car), total party-miles, 87 (12 on foot, 75 by car). Horned Grebe, 8; Pied-billed Grebe, 8; Double-crested Cormorant, 400 (est.); Great Blue Heron, 5; Mallard, 225; Black Duck, 1; Pintail, 2; Green-winged Teal, 6; Ring-necked Duck, 10; Canvas-back, 71; Lesser Scaup, 57; Am. Golden-eye, 5; Buffle-head, 1; Ruddy Duck, 6876 (±260); **Hooded Merganser,** 203 (±12); Am. Merganser, 8; Red-breasted Merganser, 25; Turkey Vulture, 1; Black Vulture, 7; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Bald Eagle, 1 ad.; Marsh Hawk, 7; Sparrow Hawk, 13; Bob-white, 25; Am. Coot, 20; Killdeer, 101; Wilson's Snipe, 9; Ring-billed Gull, 152; Bonaparte's Gull, 3 (B.Cs., R.D.S.); Mourning Dove, 59; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 27; Pileated Woodpecker, 2; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 20; Eastern Phoebe, 3; Horned Lark, 1; Blue Jay, 48; Am. Crow, 95; Carolina Chickadee, 62; Tufted Titmouse, 30; Brown Creeper, 1; House Wren, 1 (B.C.); Winter Wren, 7; Carolina Wren, 21; Mockingbird, 20; Brown Thrasher, 1; Am. Robin, 11; Hermit Thrush, 10; Eastern Bluebird, 1; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; Water Pipit, 5; Loggerhead Shrike, 29; Common Starling, 453; Myrtle Warbler, 11; House Sparrow, 205; Eastern Meadowlark, 121; Red-winged Blackbird, 124; Purple Grackle, 160; Cardinal, 244; Am. Goldfinch, 11; Eastern Towhee, 1; Savannah Sparrow, 60; Slate-colored Junco, 140; Field Sparrow, 19; White-crowned Sparrow, 16; White-throated Sparrow, 125; Fox Sparrow, 9; Swamp Sparrow, 29; Song Sparrow, 30. **Total,** 77 species; about 10,533 individuals. —Mr. and Mrs. Ben B. Coffey, Jr., Richmond Gill, Chas. McPherson, Jr., R. Demett Smith, Jr., Mr. and Mrs. C. E. Wilmeth.

250. Vicksburg, Miss. (U. S. Hwy. 61 at Yazoo River, Redwood to King's, Yazoo Canal, Miss. River near bridge, S. to airport, S. half Military Park, to Grange Hall, return Chapel Hill Rd., Baldwins Ferry Rd. [state 27, old U. S. 80] to Newman's; old fields, pastures, and airport 20%, deciduous

woods 50%, mixed pine-hardwoods 20%, river front 10%).—Dec. 27; 7:45 a.m. to 5:30 p.m. Cloudy; (no temp. given); no wind. Three observers in 1-3 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 71 (8 on foot, 63 by car). Great Blue Heron, 1; Mallard, 8; Wood Duck, pr.; Ring-necked Duck, 4; Turkey Vulture, 8; Black Vulture, 34; Red-tailed Hawk, 9; Sparrow Hawk, 1; Bob-white, 9; Killdeer, 17; Am. Woodcock, 1; Wilson's Snipe, 1; Herring Gull, 1; Ring-billed Gull, 135; Mourning Dove, 43; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 17; Pileated Woodpecker, 4; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 17; Eastern Phoebe, 3; Blue Jay, 57; Am. Crow, 32; Carolina Chickadee, 23; Tufted Titmouse, 28; Brown Creeper, 1; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 24; Mockingbird, 19; Brown Thrasher, 11; Am. Robin, 4; Hermit Thrush, 17; Eastern Bluebird, 28; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 12; Water Pipit, 126; Cedar Waxwing, 71; Loggerhead Shrike, 12; Common Starling, 323; Myrtle Warbler, 124; House Sparrow, 67; Eastern Meadowlark, 118; Western Meadowlark, 2 (R.D.S., L.C.); Red-winged Blackbird, 562; **Baltimore Oriole,** 1; blackbirds (sp.) & starlings, 100,000; Purple Grackle, 729; Brown-headed Cowbird, 3; Cardinal, 121; Am. Goldfinch, 77; Eastern Towhee, 14; Savannah Sparrow, 5; Slate-colored Junco, 17; Field Sparrow, 3; White-throated Sparrow, 301; Fox Sparrow, 20; Swamp Sparrow, 11; Song Sparrow, 19. **Total,** 62 species; about 103,372 individuals. Lapland Longspur, 1 (10 miles N). Blackbirds moving SW over park to roost indefinitely beyond bridge, tailed 20 minutes—rough estimate for the flight-line this late period only, probably as many more before sighted; Purple Grackles and smaller species. Oriole studied 20 minutes, all angles; evidently an immature male; working on redbud seeds part time. —Mr. and Mrs. Ben B. Coffey, Jr., R. D. Smith, Jr.

251. Ann Arbor, Mich. (Huron River valley and adjoining areas from 8 miles west of town to 4 miles east of town; bottomland and river 30%, deciduous woodlots 20%, coniferous plantations 5%, fields and roadsides 35%, tamarack swamp 10%).—Dec. 27; 8:15-12 a.m., 1:15-4:30 p.m. Partly cloudy; temp. 21° to 25°; wind NW, 5-10 m.p.h.; ground bare, lakes partly frozen, river open. Seven observers in 1 party in a.m., 2 in p.m. Total party-hours, 12 (8½ on foot, 3½ by car); total party-miles, 65 (12 on foot, 53 by car). Mallard, 1; Black Duck, 28; Am. Golden-eye, 4; Am. Merganser, 3; Cooper's Hawk, 1; Rough-legged Hawk, 1; Ring-necked Pheasant, 2; Am. Coot, 2; Herring Gull, 2; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 13; Blue Jay, 7; Black-capped Chickadee, 42; Tufted Titmouse, 11; White-breasted Nuthatch, 15; Brown Creeper, 4; Am. Robin, 4; Golden-crowned Kinglet, 2; Common Starling, 9; House Sparrow, 140 (est.); Cardinal, 11; Purple Finch, 2; Pine Siskin, 4; Am. Goldfinch, 3; Slate-colored Junco, 26; Am. Tree Sparrow, 5; Song Sparrow, 2. **Total,** 29 species; about 348 individuals.—Ralph Branch, Edwin Burrows, Marie Donegan, Marion Eich, Wilfred Goodman, Harry Hann (compiler), Maxine Miles (Washtenaw Audubon Club).

252. Battle Creek, Mich. (from center of town to Gull Lake; Kalamazoo River west of city to Augusta then to Gull Lake and return; Wintergreen Lake; in parts of Calhoun and Kalamazoo Counties; wooded river-bank areas 30%, open farmland 30%, highland woods and forestry areas 20%, lake front 20%).—Dec. 21; 7 a.m. to 5:30 p.m. Cloudy, light fog and rain; temp. 34° to 36°; no wind. Seven observers in 4 parties. Total party-hours, 35 (14 on foot, 13 by car, 8 feeding stations); total party-miles, 118 (12 on foot, 106 by car). Horned Grebe, 2; Canada Goose, 2600; Mallard, 888; Black Duck, 41; Gadwall, 2; Am. Widgeon, 1; scaup, 1; Am. Golden-eye, 194; Buffle-head, 7; Hooded Merganser, 27; Am. Merganser, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Ruffed Grouse, 1; Bob-white, 7; Ring-necked Pheasant, 5; Am. Coot, 51; Herring Gull, 11; Ring-billed Gull, 2; Mourning Dove, 5; Screech Owl, 2; Horned Owl, 1; Belted Kingfisher, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker (?), 1; Hairy Woodpecker, 2; Downy Woodpecker, 18; Blue Jay, 42; Black-capped Chickadee, 102; Tufted Titmouse, 14; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 3; Brown Creeper, 7; Golden-crowned Kinglet, 7; Common Starling, 92; House Sparrow, 281; Cardinal, 42; Purple Finch, 42; Common Redpoll, 60; Am. Goldfinch, 11; Slate-colored Junco, 30; Am. Tree Sparrow, 73; Song Sparrow, 11; Lapland Longspur, 1. **Total,** 44 species; 4717 individuals.—Edward M. Brigham, Jr., Edward M. Brigham 3rd, Robert Cornell, William Dyer, Mrs. L. C. Nielsen, Arthur Staebler, Lawrence H. Walkinshaw (compiler).

253. Bay City, Mich. (area same as in 1950, 1951).—Dec. 27; 8:30 a.m. to 4:30 p.m. Partly cloudy; temp. 15° to 29°; wind N to NE, 5-15 m.p.h.; no snow, small ponds frozen, rivers, Saginaw Bay open. Six observers in 2 parties. Total party-hours, 48 (24 on foot, 24 by car); total party-miles, 120 (6 on foot, 114 by car). Pied-billed Grebe, 3; Mallard, 30; Black Duck, 400; Am. Widgeon, 2; Blue-winged Teal, 1; scaup (sp.), 5; Am. Golden-eye, 11; Buffle-head, 1; Am. Merganser, 44; Cooper's Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 1; Ring-necked Pheasant, 48; Am. Coot, 2; Herring Gull, 34; Ring-billed Gull, 35; Mourning Dove, 2; Downy Woodpecker, 2; Blue Jay, 4; Am. Crow, 24; Black-capped Chickadee, 6; Tufted Titmouse, 2; White-breasted Nuthatch, 4; Common Starling, 202; House Sparrow, 646; Brown-headed Cowbird, 2; Cardinal, 7; Am. Goldfinch, 2; Slate-colored Junco, 6; Am. Tree Sparrow, 98; Song Sparrow, 3. **Total,** 31 species; 1631 individuals.—C. Andreae, N. Cuthbert, E. Kenaga (compiler), P. Lavoy, E. Staudacher, M. Wolf.

254. Detroit, Mich. (same area as last 7 years). —Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 16° to 32°; wind NW to S, 6-10 m.p.h.; no snow; lakes mainly frozen. Forty-four observers in 13 parties. Total party-hours, 94 (46 on foot, 48 by car); total party-miles, 620 (80 on foot, 540 by car). Mallard, 113; Black Duck, 72; Am. Golden-eye, 6; Cooper's Hawk, 2; Red-tailed Hawk, 22; Red-shouldered Hawk, 2; Rough-legged Hawk, 1 (L.R.L.); Sparrow Hawk, 9; Bob-white, 77; Ring-necked Pheasant, 98; Herring Gull, 127; Mourning Dove, 28; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 75; Horned Lark, 16; Blue Jay, 98; Am. Crow, 85; Black-capped Chickadee, 219; Tufted Titmouse, 41; White-breasted Nuthatch, 66; Brown Creeper, 17; Am. Robin, 2; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 1 (present 4 days at feeding station—N.T.K.); Common Starling, 677; House Sparrow, 2208; Rusty Blackbird, 2 (D.M., A.K.); Cardinal, 171; Common Redpoll, 23 (L.R.L., B.D.); Pine Siskin, 30 (W.P.N.); Am. Goldfinch, 141; Eastern Towhee, 3; Slate-colored Junco, 308; Am. Tree Sparrow, 642; Song Sparrow, 18; Lapland Longspur, 2 (F.D.). **Total,** 41 species; 5437 individuals. (Seen in area Dec. 29: White-throated Sparrow, 1, W.P. Nickell.)—E. M. Cutler, Ed. Cutler, Rupert Cutler, Frank Damm, Bertha Daubendiek, Mary Devany, Mr. & Mrs. B. L. Diamond, J. E. Finley, Margaret Goodwin, Phil Irvan, Mrs. T. Johnston, Mr. & Mrs. N. T. Kelley, George Kelly, V. C. Knowles, Keith K. Kreag, Mr. & Mrs. L. R. Lenz, Harold Mahan, H. J. McCotter, Karen McCotter, Mr. & Mrs. J. D. McMillan, D. S. Middleton, Wm. Mussnig, Rima Nickell, W. P. Nickell, Jim Norton, R. A. O'Reilly, Jr. (compiler), Henry Parkinson, Kay Potts, Madge D. Prior, Mrs. P. J. Reynolds, Mr. & Mrs. K. Sanderson, Mr. & Mrs. D. B. Savery, Eva Scharff, Mary Smalley, A. P. Ulbrich, A. Walker, V. P. Woodbury, Mrs. J. Woolfenden (Detroit Audubon Society).

255. Imlay City, Mich. (same area as covered during preceding 4 years; farms and open pasture lands 50%, fencerows and abandoned brush-covered fields 33%, deciduous woodlots 10%, marshes, pond and stream edges 5%, white cedar swamps 1%, village and suburbs 1%). — Dec. 28; 6 a.m. to 5:30 p.m. Partly cloudy to clear; temp. 15° to 30°; wind W to SW, 0-10 m.p.h.; practically no snow, ponds frozen, some streams open. Eight observers in 3 parties. Total party-hours, 32 (10 on foot, 22 by car); total party-miles, 182 (8 on foot, 174 by car). Cooper's Hawk, 2; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 10; Ring-necked Pheasant, 8; Mourning Dove, 17; Screech Owl, 7; Horned Owl, 2; Long-eared Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 23; Horned Lark, 12; Blue Jay, 55; Am. Crow, 2851; Black-capped Chickadee, 142; Tufted Titmouse, 17; White-breasted Nuthatch, 34; Brown Creeper, 3; Am. Robin, 4; Hermit Thrush, 1; Golden-crowned Kinglet, 12; Cedar Waxwing, 59; Gray Shrike, 1; Common Starling, 718; House Sparrow, 976; Cardinal, 53; Pine Siskin, 8; Am. Goldfinch, 152; Slate-colored Junco, 177; Am. Tree Sparrow, 305; Field Sparrow, 2; Song Sparrow, 14. **Total,** 37 species; 5693 individuals.—Alice D. Miller, Leon Moore, James Smith, Jr., Dale Zimmerman, Marian Zimmerman, Leta Pearl Zimmerman, L. M. Zimmerman, Martha A. Lengemann (compiler).

256. Kalamazoo, Mich. (area same as last year; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water 5%).—Dec. 27; 8:30 a.m. to 4:45 p.m. Clear, sunny; temp. 19° to 26°; wind N to NW, 12-20 m.p.h.; ground bare, running water and portions of large lakes unfrozen. Sixteen observers in 7 parties. Total party-hours, 24 (13 on foot, 11 by car); total party-miles, 196 (24 on foot, 172 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 12; Black Duck, 2; Am. Golden-eye, 12; Red-tailed Hawk, 4; Rough-legged Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Virginia Rail, 1; Wilson's Snipe, 1; Herring Gull, 5; Ring-billed Gull, 1; Mourning Dove, 1; Belted Kingfisher, 5; Hairy Woodpecker, 4; Downy Woodpecker, 21; Horned Lark (Prairie), 3; Blue Jay, 24; Am. Crow, 20; Black-capped Chickadee, 78; Tufted Titmouse, 15; White-breasted Nuthatch, 16; Brown Creeper, 3; Hermit Thrush, 1; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Common Starling, 300; House Sparrow, 655; Cardinal, 55; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 3; Slate-colored Junco, 62; Am. Tree Sparrow, 97; Swamp Sparrow, 2; Song Sparrow, 13. **Total,** 38 species; 1442 individuals. Virginia Rail with only one leg; able to fly.—A. Adler, J. Avery, L. Culver, C. Dann, R. Deur, W. Freyburger, G. A. Hall (compiler), G. Hicks, K. Limpus, B. Mott, L. Ritsema, M. Thompson, T. Van Velzen, J. Webb, K. Webb, H. O. Wiles (Audubon Society of Kalamazoo).

257. Mount Clemens, Mich. (same area surrounding Anchor Bay, Lake St. Clair, as covered in 1951; open farmland 20%, roadside borders 30%, second-growth deciduous woodlands 20%, cattail marsh edges 5%, farm buildings 1%, towns and suburbs 6%, open water 18%).—Dec. 27; 8 a.m. to 4:30 p.m. Morning overcast, intermittent sun in afternoon; temp. 23° to 28°; wind NW, 17 m.p.h.; no snow, all roads in perfect driving condition, open water prevalent. Thirty-seven observers in 10 parties. Total party-hours, 70 (12½ on foot, 57½ by car); total party-miles, 400 (19 on foot, 381 by car). Pied-billed Grebe, 7; Whistling Swan, 41; Canada Goose, 6; Mallard, 74; Black Duck, 49; Redhead, 15; Canvas-back, 314; scaup (sp.), 506; Am. Golden-eye, 38; Buffle-head, 57; Hooded Merganser, 5; Am. Merganser, 163; Red-breasted Merganser, 4; Cooper's Hawk, 1; Red-tailed Hawk, 8; Marsh Hawk, 12; Sparrow Hawk, 8; Bob-white, 50; Ring-necked Pheasant, 33; Am. Coot, 3; Killdeer, 1; Herring Gull, 165; Ring-billed Gull, 111; Bonaparte's Gull,

59; Mourning Dove, 1; Belted Kingfisher, 3; Hairy Woodpecker, 1; Downy Woodpecker, 16; Horned Lark, 2; Blue Jay, 52; Am. Crow, 59; Black-capped Chickadee, 25; Tufted Titmouse, 1; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 1; Golden-crowned Kinglet, 12; Common Starling, 514; House Sparrow, 1139; Purple Grackle, 11; Cardinal, 36; Am. Goldfinch, 17; Slate-colored Junco, 61; Am. Tree Sparrow, 290; Song Sparrow, 2. **Total,** 46 species; 3985 individuals.—Bob Bayly, Paul Biland, Mrs. Ben Boldt, Dennis Brennan, Johnny Buckholz, Bertha Daubendiek (compiler), David deBusschere, Lynn Folkerts, Harold Fournier, William Fournier, Bill Hagedon, Jerry Harris, Jack Hart, William Hopkins, Mrs. Elmer Jasper, Mrs. Taft Johnston, Jim Kammer, Cass Kierblewski, Bruce Lawrence, Nancy Ann MacDuff, Douglas Middleton, Mrs. Robert Morrison, Roger Nickles, Henry Parkinson, Madge Prior, Harold Read, Ellenor Rohrbach, Mr. and Mrs. Louis Senghas, Thelma Sonnenberg, Elton Stilwell, Dale Strong, Gary Thomas, Nancy Thomas, John vanNiewal, Mrs. Sam Wietersen, Mrs. William Wilcox (St. Clair Metropolitan Beach Sanctuary Association).

258. Muskegon, Mich. (12-mile strip from Dunes State Park, through business section, across Muskegon river flats, to south side of Muskegon Lake to channel and along beach of Lake Michigan; town suburbs 20%, wooded dunes 20%, lake shore 60%). —Dec. 27; 9 a.m. to 5:30 p.m. Partly cloudy; light snow flurries; temp. 22° to 28°; wind NW, 10-15 m.p.h.; light ground cover of snow; open water on Muskegon Lake unseasonable. Five observers in 1 party. Total party-hours, 45 (30 on foot, 15 by car); total party-miles, 60 (20 on foot, 60 by car). Horned Grebe, 1; Mallard, 41; Black Duck, 250 (est.); Gadwall, 8; Am. Widgeon, 4; Redhead, 250 (est.); Canvas-back, 1; Greater Scaup, 1000 (est.); Am. Golden-eye, 5000 (est.); Buffle-head, 43; Oldsquaw, 1; Surf Scoter, 1; Am. Merganser, 8; Sharp-shinned Hawk, 1; Bald Eagle, 1; Herring Gull, 250 (est.); Ring-billed Gull, 10; Blue Jay, 5; Am. Crow, 2; Black-capped Chickadee, 14; White-breasted Nuthatch, 1; Winter Wren, 1; Golden-crowned Kinglet, 4; Common Starling, 100; House Sparrow, 81; Cardinal, 5; Am. Goldfinch, 1; Slate-colored Junco, 1; Song Sparrow, 2. **Total,** 29 species; 7087 individuals.—George M. Wickstrom, Almeda Boulton, Robert Moblo, Cecil Kersting, Margaret Drake Elliott (compiler).

259. Northville, Mich. (same territory as last year; open farmland 50%, parks and institutions 20%, town suburbs 10%, deciduous woodlots 10%, cattail marshes and gravel pits 5%, village streets 5%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear; temp. 20° to 30°; wind W to E, 5 m.p.h.; ground bare and firm; 80% of lakes and streams frozen. Six observers in 2 parties. Total party-hours, 14 (2 on foot, 12 by car); total party-miles, 96 (2 on foot, 94 by car). Red-tailed Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 5; Belted Kingfisher, 1; Downy Woodpecker, 2; Horned Lark, 2; Blue Jay, 5; Am. Crow, 509; Black-capped Chickadee, 5; Tufted Titmouse, 5; White-breasted Nuthatch, 1; Common Starling, 23; House Sparrow, 197; Cardinal, 26 (17 in one flock); Purple Finch, 2; Am. Goldfinch, 27; Slate-colored Junco, 33; Am. Tree Sparrow, 46; Song Sparrow, 1. **Total,** 19 species; 894 individuals. 1 buteo hawk (unidentified).—Sally Ford, Dorothy Frid, Catherine Hartley, Harold D. Hartley, Jr., Harold S. Hartley (compiler), Richard Root. (With groups part of day: Michael Baggot, Cy Frid, Sumner Gow, Doris Root, Charles Root, Jr., David Ryder.)

260. Bloomington, Ind. (same area as 1951; upland deciduous forest 15%, coniferous forest 7%, bottomland deciduous forest 18%, bottomland grassy and crop fields 14%, upland grassy field 7%, bottomland brushy field 28%, fresh-water lake shore 6%, urban wooded campus 5%).—Dec. 21; 6 a.m. to 4 p.m. Overcast, light rain, fog all day, becoming heavy at 3:30 p.m.; temp. 33° to 40°; wind W, 2-4 m.p.h.; ground bare and very muddy; all water open; water level of lakes very low. Five observers in 1 party. Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 114 (18 on foot, 96 by car). Mallard, 1; Ring-necked Duck, 1; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 1; Bob-white, 1; Killdeer, 20; Wilson's Snipe, 1; Bonaparte's Gull, 1; Mourning Dove, 57; Screech Owl, 1; Barred Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 26; Pileated Woodpecker, 7; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 11; Horned Lark, 48; Blue Jay, 27; Am. Crow, 36; Carolina Chickadee, 58; Tufted Titmouse, 31; White-breasted Nuthatch, 23; Brown Creeper, 3; Carolina Wren, 10; Mockingbird, 1; Catbird, 1; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 27; Golden-crowned Kinglet, 2; Common Starling, 209; House Sparrow, 76; Eastern Meadowlark, 45; Red-winged Blackbird, 5; Rusty Blackbird, 3; Purple Grackle, 1; Brown-headed Cowbird, 7; Cardinal, 234; Purple Finch, 3; Am. Goldfinch, 27; Eastern Towhee, 24; Slate-colored Junco, 244; Am. Tree Sparrow, 119; Field Sparrow, 12; White-crowned Sparrow, 6; Swamp Sparrow, 17; Song Sparrow, 52; **Total,** 56 species; 1522 individuals. (Seen in area Dec. 20: Black Duck, 2; Canvas-back, 11.)—John Andrews, Sears Crowell, Russell Mumford, Val Nolan, Jr. (compiler), Jon Rickert.

261. Hovey Lake State Game Preserve, (Posey Co.), Ind. (same area as last 2 years).—Dec. 27; 4:30 a.m. to 4:30 p.m. Cloudy to 3 p.m., partly cloudy to 4:30; temp. 28° to 34°; wind NNE, 4-6 m.p.h.; ground bare, water open except a thin layer of ice around edge of ponds and streams. Seven observers in 3 parties. Total party-hours, 19 (10 on foot, 6½ by car, 2½ by boat); total party-miles, 89½ (10½ on foot, 77 by car, 2 by boat). Great Blue Heron, 5; Canada Goose, 3500; Mallard, 250,000; Black Duck, 1000; Gadwall, 7; Am. Widgeon, 6;

Pintail, 50; Green-winged Teal, 3; Canvas-back, 7; Lesser Scaup, 27; Am. Golden-eye, 28; Buffle-head, 4; Am. Merganser, 4; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 6; Rough-legged Hawk, 2; Bald Eagle, 4; Marsh Hawk, 5; Sparrow Hawk, 16; Am. Coot, 1; Herring Gull, 4; Ring-billed Gull, 11; Mourning Dove, 164; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 65; Pileated Woodpecker, 3; Red-bellied Woodpecker, 59; Red-headed Woodpecker, 27; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 31; Horned Lark, 54; Blue Jay, 61; Am. Crow, 658; Carolina Chickadee, 55; Tufted Titmouse, 72; White-breasted Nuthatch, 21; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 15; Am. Robin, 7; Hermit Thrush, 2; Eastern Bluebird, 29; Golden-crowned Kinglet, 10; Cedar Waxwing, 39; Common Starling, 77; Myrtle Warbler, 1; House Sparrow, 177; Eastern Meadowlark, 124; Red-winged Blackbird, 5; Brown-headed Cowbird, 85; Cardinal, 71; Am. Goldfinch, 75; Eastern Towhee, 13; Slate-colored Junco, 133; Am. Tree Sparrow, 203; Field Sparrow, 13; White-crowned Sparrow, 3; White-throated Sparrow, 8; Fox Sparrow, 1; Swamp Sparrow, 18; Song Sparrow, 32; Lapland Longspur, 5. **Total,** 65 species; 257,134 individuals.—W. B. Barnes, J. B. Cope (compiler), P. Kahl, R. E. Mumford, J. Tucker, N. Wilson, R. E. Woodard.

262. Indianapolis, Ind. (1¾ miles southwest, through center of town, 13 miles northeast, 2 miles west, 3 miles east; Sewage Disposal Plant, Maywood, along White River, Coffin Golf Course, Riverside Park, Holliday Park, Bacon's Swamp, Josedale, Geist Reservoir, Butler Univ. Campus; open farmlands 13%, business district 4%, residential section 18%, lake area 9%, edge of river 17%, woods 10%, city parks 29%).—Dec. 20; 7 a.m. to 4:30 p.m. Overcast, frequent drizzling rain (0.23 in.); temp. 34° to 49°; wind ESE, 5-23 m.p.h.; ground bare, water 95% open. Twenty-one observers in 10 parties. Total party-hours, 49 (16 on foot, 33 by car); total party-miles, 245 (23 on foot, 222 by car). Common Loon, 1; Pied-billed Grebe, 1; Black-crowned Night Heron, 5 (P.K., J.M.S., H.C.W.); Mallard, 3939 (3900 est., 39); Black Duck, 1601 (1600 est., 1); Gadwall, 1; Am. Widgeon, 1; Pintail, 4; Green-winged Teal, 3; Shoveller, 4; Wood Duck, 6; Redhead, 3; Ring-necked Duck, 5; Greater Scaup, 1 (P.K., J.M.S., H.C.W.); Lesser Scaup, 2; Am. Golden-eye, 14; Buffle-head, 1; Am. Merganser, 1; Red-breasted Merganser, 1; Cooper's Hawk, 2; Red-shouldered Hawk, 2; Sparrow, Hawk, 3; Bob-white, 3; Ring-necked Pheasant, 1; Killdeer, 1; Ring-billed Gull, 1; Mourning Dove, 157; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 37; Horned Lark, 1; Blue Jay, 55; Am. Crow, 96; Carolina Chickadee, 20; Tufted Titmouse, 40; White-breasted Nuthatch, 5; Brown Creeper, 32; Carolina Wren, 11; Mockingbird, 2; Am. Robin, 1; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1 (R.G.); Common Starling, 645; House Sparrow, 195; Eastern Meadowlark, 2; Cardinal, 195; Purple Finch, 34; Pine Siskin, 1 (S.B.); Am. Goldfinch, 16; Eastern Towhee, 2; Slate-colored Junco, 288; Am. Tree Sparrow, 167; Field Sparrow, 1; Fox Sparrow, 1 (S.B.); Song Sparrow, 77. **Total,** 59 species; 7720 individuals. (Seen in area during count week: Red-headed Woodpecker, Myrtle Warbler, Purple Grackle, Swamp Sparrow.)—Wm. B. Barnes, Shelia Brantlinger, Mildred Campbell, Patty Finke, Mr. & Mrs. John L. Goldthwaite, Robert S. Gregory, Mr. & Mrs. Joel H. Hadley, Elizabeth Haerle, David Hanes, Philip Kahl (compiler), Chas. Marks, Mr. & Mrs. Otto Mengering, Leone Patrick, John M. Satter, Louis Stinnett, Henry C. West, Dorothy White, Howard F. Wright (Amos W. Butler Chapter, Indiana Audubon Society).

263. Jasper - Pulaski State Game Preserve, Medaryville, Ind. (same as 1951 plus observations north on Highway 421; marsh and marsh border 40%, pine plantings 15%, old fields and cultivated fields 20%, woodlands 10%, woods border 5%, residential 5%, state highway 5%).—Dec. 28; 8:15 a.m. to 3:45 p.m. Clear; temp. 18° to 34°; wind SW, 20 m.p.h.; ground bare, some small springs and ditches open but rest of marsh frozen. Six observers in 1 party. Total party-hours, 7½ (5½ on foot, 2 by car); total party-miles, 40 (7 on foot, 33 by car). Canada Goose, 1700 (est.); Blue Goose, 1 (seen at rest and in flight with glasses and 20x scope); Mallard, 700 (est.); Black Duck, 500 (est.); Pintail, 14; Green-winged Teal, 7 (seen at rest and in flight with glasses and 20x scope); Shoveller, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Golden Eagle, 1 (immature; seen by all observers several times with glasses and 20x scope; ring-tail, white wing patches easily discernible); Marsh Hawk, 4; Ring-necked Pheasant, 2; Mourning Dove, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 3; Blue Jay, 44; Am. Crow, 52; Black-capped Chickadee, 16; Tufted Titmouse, 12; White-breasted Nuthatch, 8; Golden-crowned Kinglet, 55; Common Starling, 36; House Sparrow, 50; Red-winged Blackbird, 30; Cardinal, 9; Am. Goldfinch, 8; Slate-colored Junco, 75; Am. Tree Sparrow, 150; Swamp Sparrow, 1; Song Sparrow, 10. **Total,** 32 species; about 3504 individuals.—Nora Grow, Raymond Grow (compiler), Jean Segal, Simon Segal, Joel X. Sweet, Merrill Sweet.

264. Lafayette, Ind. (same as 1946 and subsequent years; river bottom 17%, creek bottom 19%, open fields 9%, brush 14%, deciduous woods 27%, evergreen woods 1%, lake shore 5%, cattail marsh 8%).—Dec. 22; 5 a.m. to 4 p.m. Overcast, foggy, rain in p.m.; temp. 37° to 38°; wind SE, 7-17 m.p.h.; bar. 29.94-29.84; ground bare, all streams and ponds open (latter last few days only). Twelve observers in 9 parties. Total party-hours, 48½ (43¼ on foot, 5¼ by car); total party-miles, 120 (59 on foot, 61 by car). Mallard, 4; Black Duck, 3; Hooded Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 9; Marsh Hawk, 6; Sparrow Hawk, 11; Bob-white,

4; Ring-necked Pheasant, 2; Herring Gull, 5; Mourning Dove, 84; Screech Owl, 1; Horned Owl, 3; Long-eared Owl, 4; Short-eared Owl, 4; Belted Kingfisher, 14; Yellow-shafted Flicker, 23; Red-bellied Woodpecker, 35; Hairy Woodpecker, 20; Downy Woodpecker, 85; Horned Lark, 34; Blue Jay, 135; Am. Crow, 110; Black-capped Chickadee, 104; Tufted Titmouse, 151; White-breasted Nuthatch, 24; Brown Creeper, 45; Winter Wren, 5; Carolina Wren, 23; **Mockingbird,** 1; Am. Robin, 1; Golden-crowned Kinglet, 15; Common Starling, 551; House Sparrow, 549; Eastern Meadowlark, 1; Rusty Blackbird, 10; Purple Grackle, 12; Cardinal, 119; Purple Finch, 2; Am. Goldfinch, 44; Slate-colored Junco, 175; Am. Tree Sparrow, 298; Field Sparrow, 8; **Fox Sparrow,** 3; **Swamp Sparrow,** 44; Song Sparrow, 70. **Total,** 46 species; 2854 individuals.—Mr. and Mrs. Arthur K. Branham, Irving W. Burr, Mrs. D. T. Canfield, Karlton W. Crain, Mrs. S. S. Cromer, Marvin W. DeJonge, Charles M. Kirkpatrick, Howard H. Michaud, Mrs. G. Rabson, Gordon L. Walker, Merritt S. Webster.

265. Michigan City, Ind. (same as 1951).—Dec. 21; 7 a.m. to 6 p.m. Overcast; temp. 38° to 36°; wind NW, 9 m.p.h.; dense fog after 7:15 a.m., limiting visibility on Lake Michigan to 50 yards. Intermittent drizzle. All water open. Ten observers in 6 parties. Total party-hours, 20½ (17½ on foot, 3 by car); total party-miles, 84 (19 on foot, 65 by car). Common Loon, 1; Horned Grebe, 3; Pied-billed Grebe, 1; Mallard, 8; Black Duck, 14; Pintail, 2; Shoveller, 5; Redhead, 8; Canvas-back, 7; Lesser Scaup, 2; Am. Golden-eye, 12; Buffle-head, 108; Old-squaw, 250; White-winged Scoter, 1; Am. Merganser, 10; Red-breasted Merganser, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Am. Coot, 2; Herring Gull, 520; Ring-billed Gull, 155; Bonaparte's Gull, 75; Belted Kingfisher, 2; Hairy Woodpecker, 11; Downy Woodpecker, 26; Blue Jay, 25; Am. Crow, 24; Black-capped Chickadee, 42; Tufted Titmouse, 14; White-breasted Nuthatch, 12; Long-billed Marsh Wren, 1 (seen at 20 yards with 7x glasses, N.G.; observed same place in October and November); Common Starling, 39; House Sparrow, 46; Red-winged Blackbird, 45; Rusty Blackbird, 44 (flock present since September); Cardinal, 31; Evening Grosbeak, 1; Purple Finch, 49; Common Redpoll, 24; Am. Goldfinch, 25; Slate-colored Junco, 132; Am. Tree Sparrow, 302; Swamp Sparrow, 23; Song Sparrow, 22. **Total,** 47 species; 2142 individuals. (Reported from area during count period: Marsh Hawk, Bob-white, Mourning Dove, Barred Owl, Red-bellied Woodpecker, Am. Robin.) — Walter Graper, Nora Grow, Raymond Grow (compiler), John Hawkinson, Virginia Reuter-Skiold, Muriel Schnayer, Jean Segal, Simon Segal, Joel X. Sweet, Merrill Sweet.

266. Northern Porter County, Ind. (same as 1951).—Dec. 26; 9 a.m. to 4:30 p.m. Clear; temp. 26° to 21°; wind SW, 16 m.p.h.; all water except Lake Michigan and Burns Ditch frozen; ground bare. Two observers in 2 parties. Total party-hours, 8½ (7½ on foot, 1 by car); total party-miles, 15 (12 on foot, 3 by car). Horned Grebe, 1; Redhead, 1; Lesser Scaup, 6; Am. Golden-eye, 13; Buffle-head, 10; Old-squaw, 8; Am. Merganser, 4; Herring Gull, 63; Ring-billed Gull, 100; Bonaparte's Gull, 160; Horned Owl, 1; Belted Kingfisher, 1; Downy Woodpecker, 1; Black-capped Chickadee, 1; Tufted Titmouse, 6; Common Starling, 2; House Sparrow, 32; Cardinal, 8; Common Redpoll, 2; Slate-colored Junco, 50; Am. Tree Sparrow, 100; Song Sparrow, 1. **Total,** 22 species; 571 individuals. (Seen during count period: Red-throated Loon, Pied-billed Grebe, Double-crested Cormorant, Mallard, Pintail, Purple Finch, Field Sparrow.)—Raymond Grow, Virginia Reuter-Skiold.

267. Richmond, Ind. (same area as last year).—Dec. 21; 7 a.m. to 4:30 p.m. Overcast, visibility very poor; temp. 38° to 40°; wind SW to W, 0-2 m.p.h.; ground bare, all water open. Four observers in 2 parties. Total party-hours, 15 (13 on foot, 2 by car); total party-miles, 57 (22 on foot, 35 by car). Red-shouldered Hawk, 2; Marsh Hawk, 4; Bob-white, 32; Mourning Dove, 32; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 24; Blue Jay, 52; Am. Crow, 16; Carolina Chickadee, 99; Tufted Titmouse, 74; White-breasted Nuthatch, 15; Brown Creeper, 9; Carolina Wren, 11; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 10; Golden-crowned Kinglet, 3; Myrtle Warbler, 1; Common Yellowthroat, 1; House Sparrow, 200; Eastern Meadowlark, 12; Red-winged Blackbird, 7; Cardinal, 100; Am. Goldfinch, 71; Eastern Towhee, 14; Slate-colored Junco, 84; Am. Tree Sparrow, 520; Field Sparrow, 6; Swamp Sparrow, 56; Song Sparrow, 77. **Total,** 35 species; 1561 individuals. (Seen in area Dec. 22: Screech Owl, 1.)—J. B. Cope (compiler), L. B. Hunt, H. Key, M. Snow.

268. South Bend, Ind. (same area as previous counts; deciduous woods, 40%, marshland 20%, open farmland 20%, open river 15%, cedar and spruce groves 5%).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 16° to 28°; wind SW, 20 m.p.h.; very little snow on ground, river and creeks open, lakes frozen. Twenty observers in 4 parties. Total party-hours, 38 (33 on foot, 5 by car); total party-miles, 131 (34 on foot, 97 by car). Mallard, 128; Black Duck, 18; Pintail, 2; Lesser Scaup, 25; Am. Golden-eye, 313; Old-squaw, 1; Ruddy Duck, 1; Am. Merganser, 3; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 2; Ring-necked Pheasant, 1; Herring Gull, 90; Mourning Dove, 83; Long-eared Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 29; Horned Lark, 13; Blue Jay, 24; Am. Crow, 662; Black-capped Chickadee, 94; Tufted Titmouse, 21; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 2;

Brown Creeper, 10; Winter Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 6; Gray Shrike, 1; Common Starling, 154; House Sparrow, 268; Eastern Meadowlark, 1; Brewer's Blackbird, 1 (M.D.H., Br. Edw., E.K., J.L.); Cardinal, 52; Am. Goldfinch, 15; Slate-colored Junco, 227; Am. Tree Sparrow, 160; Song Sparrow, 4. **Total,** 43 species; about 2487 individuals.—M. Dale Harbaugh, Brother Edwin, Ernest Koehler, John Lester, Elmer Rodgers, H. L. Woolverton, Robert Bartholemew, John Pauszek, Janet Kochanowski, Charles Meek, Dorothy Meek, John Pine, Helen Dawson, Lorene Markel, Richard Schaffer, Eleanor Pine, Richard Freshley, Sharyl Barnes, David Barnes, Chas. K. Barnes (South Bend Audubon Society).

269. Bird Haven Sanctuary (Richland Co.), Ill. (7½-mile radius centering on Bird Haven, including city park, dump grounds, cemetery, Big Creek, fields and woodlands easily reached by car; open farmlands 85%, deciduous forests 10%, parks and streets of Olney, 5%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Cloudy early, clearing by 10; temp. 24° to 32°; wind light; no snow, some running water. Sixteen observers in 3 parties. Total party-hours, 25½ (8 on foot, 17½ by car); total party-miles, 198 (12 on foot, 186 by car). Red-tailed Hawk, 11; Red-shouldered Hawk, 7; Rough-legged Hawk, 2; Marsh Hawk, 15; Sparrow Hawk, 23; Greater Prairie Chicken, 65; Bob-white, 9; **Mourning Dove,** 289; Screech Owl, 1; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 38; Blue Jay, 149; Am. Crow, 317; Carolina Chickadee, 65; Tufted Titmouse, 53; White-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 17; Mockingbird, 12; Am. Robin, 1; Eastern Bluebird, 43; Golden-crowned Kinglet, 1; Loggerhead Shrike, 6; Common Starling, 540; House Sparrow, 689; Eastern Meadowlark, 224; Cardinal, 206; Purple Finch, 2; Am. Goldfinch, 34; Slate-colored Junco, 404; Am. Tree Sparrow, 428; White-crowned Sparrow, 5; Song Sparrow, 13. **Total,** 39 species; about 3741 individuals. (Seen in the area the week of the Count: Canada Goose, 10; Short-eared Owl, 1; Purple Grackle, 2.)—Mr. and Mrs. W. R. Bridges, Mrs. Mary Chaplin, Mrs. R. F. Gibson, Mr. and Mrs. Olin Groves, Hammel Haynes, Jr., Mrs. Minnie Hundley, Jimmie Kermicle, Carol Scherer, Mr. and Mrs. Chester Scherer, Mr. and Mrs. Howard Shaw, Pearl Stine, Perna M. Stine (compiler).

270. Bushnell, Ill. (Bushnell east on North Shaw Fork Creek; 75% creek bottom, 24% farmland, 1% lake shore).—Dec. 27; 8 a.m. to 5:30 p.m. Clear; temp. 21° to 28°; wind NNE to W, 5-10 m.p.h.; North Shaw Fork Creek almost entirely open, ponds frozen. One observer. Total hours, 9½; total miles, 7 (on foot). Red-tailed Hawk, 2; Marsh Hawk, 3; Bob-white, 9; Wilson's Snipe, 6; Mourning Dove, 8; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Horned Lark, 19; Blue Jay, 3; Am. Crow, 17; Black-capped Chickadee, 19; Tufted Titmouse, 38; White-breasted Nuthatch, 1; Golden-crowned Kinglet, 1; Common Starling, 19; House Sparrow, 220; Cardinal, 38; Purple Finch, 14; Am. Goldfinch, 66; Slate-colored Junco, 12; Am. Tree Sparrow, 300; Song Sparrow, 10. **Total,** 26 species; about 825 individuals. (Seen in area Dec. 26: Killdeer, 2; Dec. 28: Sparrow Hawk, 1.)—Larry L. Hood.

[J.H., P.R., J.R. and D.R. Scholes covered the same area on Jan. 1 and recorded 752 individuals of 28 species. Species not listed by Mr. Hood included Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 7; Carolina Wren, 1; Loggerhead Shrike, 1; and Fox Sparrow, 2—ED.]

271. Crab Orchard Wildlife Refuge, (Williamson Co.), Ill. [previously listed under **Carterville, Ill.**] (7½-mile radius centering on middle of refuge; deciduous wooded thickets 15%, wooded bottoms 40%, open water 15%, pine 15%, fields 15%).—Dec. 23; 6 a.m. to 3 p.m. Overcast with early showers; temp. 40° to 44°; wind SW-SE, 3-8 m.p.h. Nine observers in 3 parties. Total party-hours, 22½ (9 on foot, 13½ by car); total party-miles, 126 (11 on foot, 115 by car). Horned Grebe, 1; Pied-billed Grebe, 1; Eared Grebe, 1; Double-crested Cormorant, 2; Great Blue Heron, 9; Canada Goose, 32,308; Snow Goose, 241; Blue Goose, 128; Mallard, 11,905; Black Duck, 2679; Gadwall, 1; Pintail, 93; Green-winged Teal, 19; Shoveller, 9; Redhead, 1; Ring-necked Duck, 1; Lesser Scaup, 3; Am. Golden-eye, 11; Buffle-head, 5; Hooded Merganser, 108; Am. Merganser, 846; Sharp-shinned Hawk, 3; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Bald Eagle, 2; Marsh Hawk, 5; Sparrow Hawk, 13; Broad-winged Hawk, 2 [no details—ED.]; Bob-white, 1; Am. Coot, 54; Killdeer, 2; Herring Gull, 163; Ring-billed Gull, 86; Bonaparte's Gull, 1; Mourning Dove, 19; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 41; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 7; Hairy Woodpecker, 4; Downy Woodpecker, 17; Horned Lark, 1; Blue Jay, 94; Am. Crow, 101; Black-capped Chickadee, 265; Carolina Chickadee, 32; Tufted Titmouse, 30; Brown Creeper, 9; Carolina Wren, 6; Mockingbird, 8; Am. Robin, 2; Eastern Bluebird, 12; Golden-crowned Kinglet, 21; Cedar Waxwing, 30; Common Starling, 295; House Sparrow, 60; Eastern Meadowlark, 87; Red-winged Blackbird, 3730; Purple Grackle, 12; Cardinal, 189; Am. Goldfinch, 89; Slate-colored Junco, 617; Am. Tree Sparrow, 400; White-crowned Sparrow, 19; Fox Sparrow, 5; Swamp Sparrow, 16; Song Sparrow, 10. **Total,** 70 species; 54,989 individuals. (Seen in area Dec. 24: Loggerhead Migrant Shrike, 1; Cooper's Hawk, 1.)—Richard Brewer, Lee Bush (compiler), E. E. Crawford, William Hardy, William Meneese, Ross Miller, Larry Sheffield, Harry Stiles, Francis L. Ward.

272. Danville, Ill. (centering on Redden Square, extending 7½ miles SW; W; NW; N; and NE; included lake area to NW and state park area

(reforested old stripmine) to West and rural farm area to SW and S).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 16° to 22°; wind light, 5-7 m.p.h.; no snow; light skim of ice on edge of lake. Twelve observers in 4 parties. Total party-hours, 28 (15 on foot, 13 by car); total party-miles, 30 (10 on foot, 20 by car). Mallard, 450; Black Duck, 6; Canvas-back, 12; Lesser Scaup, 180; Ruddy Duck, 7; Marsh Hawk, 1; Belted Kingfisher, 2; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 22; Blue Jay, 37; Am. Crow, 41; Black-capped Chickadee, 25; Tufted Titmouse, 40; White-breasted Nuthatch, 7; Winter Wren, 2; Bewick's Wren, 2 [no details—Ed.]; Carolina Wren, 5; Common Starling, 44; House Sparrow, 238; Cardinal, 12; Pine Grosbeak, 1 [no details—Ed.]; Pine Siskin, 1; Slate-colored Junco, 43; Am. Tree Sparrow, 1; Song Sparrow, 6. **Total,** 27 species; 1201 individuals. On day preceding count some 1500 scaup were observed on lake. Later on evening of count they returned. These birds feed some 20 miles north of our center and were not present during the hours of the count. —Jack Good, Mr. & Mrs. Fred Appel, Mr. & Mrs. Charles Krabel, Clarence Bawn, Dale Willard, Mr. & Mrs. William Fulton, Florence Keiser, Mrs. Flo Coutant, Mrs. Marguerite Johnson.

273. Decatur, Ill. (7½-mile radius centering at the Transfer House, and including Lake Decatur, Sangamon River, Steven's Creek, and Big Creek; river and stream bottomlands 20%, water 30%, open fields 10%, thickets and weed areas 17%, shore and marsh 8%, cutover woodlots 7%, scrubby pastureland 5%, evergreens 3%).—Dec. 24; 7:30 a.m. to 4:30 p.m. Overcast; light snow flurries in p.m.; temp. 30° to 35°; wind WSW & W, 10-15 m.p.h.; all water open; no snow on ground. Four observers in 1 party. Total party-hours, 9 (7½ on foot, 1½ by car); total party-miles, 86 (15 on foot, 71 by car). Mallard, 2564 (2500 est., 64); Black Duck, 689 (200 est., 489); Pintail, 11; Green-winged Teal, 6; Redhead, 11; Ring-necked Duck, 4; Canvas-back, 11; Lesser Scaup, 21; Am. Golden-eye, 30 (est.); Buffle-head, 1; Am. Merganser, 57; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 15; Am. Coot, 1; Killdeer, 6; Ring-billed Gull, 633 (400 est., 233); Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 10; Hairy Woodpecker, 7; Downy Woodpecker, 33; Horned Lark, 19; Blue Jay, 20; Am. Crow, 64; Black-capped Chickadee, 35; Tufted Titmouse, 49; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 9; Carolina Wren, 17; Golden-crowned Kinglet, 3; Common Starling, 131 (100 est., 31); House Sparrow, 167 (115 est., 52); Red-winged Blackbird, 7; Cardinal, 95; Am. Goldfinch, 29; Eastern Towhee, 1; Slate-colored Junco, 34; Am. Tree Sparrow, 169; Swamp Sparrow, 1; Song Sparrow, 32. **Total,** 41 species; 5010 individuals. (Seen in area Dec. 22-28: Winter Wren, 5; Purple Finch, 6; Belted Kingfisher, 1; Eastern Meadowlark, 1; Red-shouldered Hawk, 3; Am. Rough-legged Hawk, 1; Barred Owl, 2; Osprey, 1; Gray Shrike, 1; Mourning Dove, 2; Marsh Hawk, 5; Double-crested Cormorant, 1; Purple Grackle, 1.)—Dean Fisher (compiler), Robert Kirby, E. P. Mountfort, Paul Rivard (Decatur Audubon Society).

274. East St. Louis, Ill. (7½-mile radius centering on Washington Park, including Horseshoe Lake, Grand Marais State Park, Mounds State Park, Signal Hill, Bellefontaine Cemetery, Mississippi River, Sandy's Wood, plus surrounding fields; lakes and rivers 35%, deciduous woods 25%, open fields 10%, marshes 10%, mudflats 5%, willow thickets 5%, cemeteries 5%, farm yards 5%).—Dec. 27; 8 a.m. to 5 p.m. Cloudy with snow flurries in a.m., clear in p.m.; temp. 22° to 28°; wind NW to SE, 8-15 m.p.h.; ground bare except for shaded hillsides that contained ¼-in. snow; lakes 85% frozen; Mississippi open with no floating ice. Twelve observers in 5 parties. Total party-hours, 34 (22 on foot, 12 by car), total party-miles, 97 (20 on foot, 77 by car). Pied-billed Grebe, 1; Mallard, 531 (131, 400 est.); Black Duck, 5; Gadwall, 4; Green-winged Teal, 9; Canvas-back, 1; Lesser Scaup, 5; Am. Golden-eye, 6; Am. Merganser, 1; Red-breasted Merganser, 1; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 12; Bob-white, 52; Am. Coot, 1; Killdeer, 17; Wilson's Snipe, 1; Red Phalarope, 1 (thick two-toned bill, plain gray back and dark legs seen by both observers; studied bird ½ hour—D.P., D.B.); Herring Gull, 20; Ring-billed Gull, 1501 (301, 1200 est.); Mourning Dove, 14; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 21; Pileated Woodpecker, 4; Red-bellied Woodpecker, 29; Yellow-bellied Sapsucker, 1 (E.W.); Hairy Woodpecker, 4; Downy Woodpecker, 91; Horned Lark, 19; Blue Jay, 6; Am. Crow, 529 (129, 400 est.); Black-capped Chickadee, 58; Tufted Titmouse, 35; White-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 41; Mockingbird, 13; Am. Robin, 43; Eastern Bluebird, 3; Golden-crowned Kinglet, 7; Cedar Waxwing, 2; Common Starling, 581; House Sparrow, 919; European Tree Sparrow, 41; Red-winged Blackbird, 642 (92+550); Rusty Blackbird, 27; Purple Grackle, 11; Brown-headed Cowbird, 4; Cardinal, 254; Purple Finch, 2; Common Redpoll, 1 (E.W.); Pine Siskin, 38; Am. Goldfinch, 43; Slate-colored Junco, 286; Oregon Junco, 2 (E.W., R.A.); Am. Tree Sparrow, 249; Field Sparrow, 13; Harris's Sparrow, 3 (R.A., J.N.); White-crowned Sparrow, 62; White-throated Sparrow, 16; Fox Sparrow, 2; Swamp Sparrow, 14; Song Sparrow, 82. **Total,** 68 species; about 6411 individuals.—Richard Anderson, Donald Braun, Richard Cunningham, Robert Hanss, Helen Henke, Julian Neill, Richard Pfeiffer, James Reuter, Larry Small, Eugene Wilhelm, Jr. (compiler), James Ziervogel, Richard Ziervogel (Field Nature League of St. Louis).

275. Elsah, Ill. (same as last year except Chautauqua area omitted).—Dec. 20; 6:45 a.m. to 4:30 p.m. Cloudy with occasional showers; temp. 29° to 38°; wind SW, 0-8 m.p.h. Seven observers in 3

parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 24 (16 on foot, 8 by car). Canada Goose, 40; Blue Goose, 19; Mallard, 142; Pintail, 4; Lesser Scaup, 14; Buffle-head 20; Red-tailed Hawk, 2; Bald Eagle, 6; Marsh Hawk, 2; Bob-white, 32; Ring-necked Pheasant, 2; Am. Coot, 60; Herring Gull, 18; Ring-billed Gull, 10; Mourning Dove, 22; Horned Owl, 1; Barred Owl, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 26; Blue Jay, 14; Am. Crow, 79; Black-capped Chickadee, 20; Tufted Titmouse, 37; White-breasted Nuthatch, 10; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 14; Mockingbird, 1; Eastern Bluebird, 12; Cedar Waxwing, 15; Common Starling, 34; House Sparrow, 147; European Tree Sparrow, 3; Red-winged Blackbird, 1; Cardinal, 102; Am. Goldfinch, 14; Slate-colored Junco, 176; Am. Tree Sparrow, 9; White-crowned Sparrow, 3; White-throated Sparrow, 19; Song Sparrow, 3. **Total,** 46 species; 1160 individuals.—E. Goodhue, G.B., G.M., and H.G.M. Happ, J.R. and R.A. Andrews, J. F. Wanamaker (compiler).

276. Joliet, Ill. (7½-mile radius from 10 miles southwest along Desplaines River to 5 miles northeast of Joliet in wooded park areas; back waters, I. & M. Canal, overgrown fencerows, prairie and cultivated areas were included; 30% deciduous woods, 30% backwaters and canal border, 20% pasture and prairie areas, 20% cultivated area and fencerow vegetation).—Dec. 31; 7:30 a.m. to 4:30 p.m. Temp. 25° to 34°; wind W to NW, 8-12 m.p.h.; no snow on ground, still water frozen around the edge or clear across narrow stretches. Eight observers in 2 parties. Total party-hours, 38 (25 on foot, 13 by car); total party-miles, 242 (32 on foot, 210 by car). Great Blue Heron, 5; Mallard, 200; Black Duck, 200; Pintail, 150; Redhead, 4; Greater Scaup, 150; Am. Golden-eye, 100; Old-squaw, 1; Ruddy Duck, 25; Am. Merganser, 7; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 2; Herring Gull, 25; Ring-billed Gull, 50; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 14; Eastern Phoebe, 1; Blue Jay, 12; Am. Crow, 500; Black-capped Chickadee, 60; Tufted Titmouse, 1; Brown Creeper, 5; Common Starling, 200; House Sparrow, 250; Cardinal, 9; Pine Siskin, 1; Am. Goldfinch, 2; Savannah Sparrow, 1; Slate-colored Junco, 19; Am. Tree Sparrow, 200; Song Sparrow, 2. **Total,** 36 species; 2210 individuals. (Seven robins were in this area until a few days before the count.)—Mrs. E. Durbin Collins, William L. Englehardt, Dr. & Mrs. C. N. Hufford, William L. Hughes (compiler), William Lee Hughes, Hilda McIntosh, C. D. Stallman.

277. Moline, Ill. (15-mile diameter, centered at East Moline; deciduous woodland 35%, river shoreline 30%, open farmland 25%, coniferous woodland 5%, urban areas 5%).—Dec. 21; 7:30 a.m. to 5 p.m. Overcast; temp. 30° to 35°; wind WNW, 5-9 m.p.h.; scattered patches of old snow on ground; river open below dams, ice with many patches of open water above dams. Seventeen observers in 7 parties. Total party-hours, 94 (26 on foot, 78 by car); total party-miles, 705 (45 on foot, 660 by car). Double-crested Cormorant, 1; Mallard, 68; Pintail, 1; Redhead, 1; Ring-necked Duck, 8; Canvas-back, 52; Lesser Scaup, 290; Am. Golden-eye, 450; White-winged Scoter, 1 (E.F.); Am. Merganser, 69; Red-tailed Hawk, 9; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Bald Eagle, 25; Marsh Hawk, 3; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Wilson's Snipe, 2; Herring Gull, 164; Ring-billed Gull, 102; Franklin's Gull, 1 (P.P. Jr., N.H.); Mourning Dove, 27; Barred Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 26; Hairy Woodpecker, 29; Downy Woodpecker, 66; Horned Lark, 255; Blue Jay, 118; Am. Crow, 366; Black-capped Chickadee, 99; Tufted Titmouse, 38; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 2; Brown Creeper, 21; Am. Robin, 5; Golden-crowned Kinglet, 33; Common Starling, 1075±; House Sparrow, 1771±; Eastern Meadowlark, 1; Red-winged Blackbird, 101; Purple Grackle (Bronzed), 500; Cardinal, 67; Am. Goldfinch, 47; Slate-colored Junco, 219; Am. Tree Sparrow, 665; Field Sparrow, 2; White-throated Sparrow, 6; Song Sparrow, 25. **Total,** 52 species; 6914 individuals. (Seen in area during following week; Am. Coot, 1; Winter Wren, 1; Gray Shrike, 1; Savannah Sparrow, flock.)—Leo Doering, Elton Fawkes, David Fawkes, Mrs. F. Gold, Jeannette Graham, Marion Hawes, Norwood Hazard, Kenneth and Jerry McConaughy, Tom Morrissey, Mr. and Mrs. P. C. Petersen, Peter C. Petersen, Jr. (compiler), R. Schropp, Mrs. E. L. Swain, Betty Swain, Don Swensson (Tri-City Bird Club)

278. Murphysboro, Ill. (15-mile diameter, with Murphysboro as center; Carbondale Reservoir, Lake Murphysboro, Murphysboro and surrounding territory, Hickory Ridge area; deciduous woods and thickets 45%, water 30%, fields 20%, miscellaneous 5%).—Dec. 20; 6:45 a.m. to 5:20 p.m. Heavily overcast; temp. 35° to 40°; wind W to NW, 0-15 m.p.h.; no ice or snow. Four observers in 4 parties. Total party-hours, 33½ (22 on foot, 11½ by car); total party-miles, 192½ (30½ on foot, 162 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Canada Goose, 8; Mallard, 6703 (6000 est., 703); Black Duck, 200 (est.); Gadwall, 4; Pintail, 136; Ring-necked Duck, 1000 (est.); Canvas-back, 47; Lesser Scaup, 1026 (1000 est., 26); Am. Golden-eye, 30; Buffle-head, 1; Ruddy Duck, 7; Hooded Merganser, 1; Am. Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 9; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 17; Bob-white, 10; Am. Coot, 50; Killdeer, 4; Wilson's Snipe, 2; Herring Gull, 12; Ring-billed Gull, 268; Mourning Dove, 26; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 60; Pileated Woodpecker, 1; Red-bellied Woodpecker, 24; Red-headed Woodpecker, 282; Yellow-bellied

Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 51; Horned Lark, 3; Blue Jay, 149; Am. Crow, 112; Carolina Chickadee, 117; Tufted Titmouse, 52; White-breasted Nuthatch, 5; Brown Creeper, 12; Winter Wren, 3; Bewick's Wren, 1; Carolina Wren, 25; Mockingbird, 7; Am. Robin, 2; Eastern Bluebird, 16; Golden-crowned Kinglet, 19; Cedar Waxwing, 2; Loggerhead Shrike, 3; Common Starling, 533; House Sparrow, 190; Eastern Meadowlark, 38; Red-winged Blackbird, 1721 (1400 est., 321); Rusty Blackbird, 442; Purple Grackle, 34; Brown-headed Cowbird, 98; Cardinal, 160; Purple Finch, 3; Pine Siskin, 6; Am. Goldfinch, 43; Eastern Towhee, 5; Slate-colored Junco, 168; Am. Tree Sparrow, 148; Field Sparrow, 17; White-crowned Sparrow, 7; White-throated Sparrow, 14; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 72. **Total,** 73 species; about 14,252 individuals.—Richard Brewer, William Hardy, E. Esther Smith, Kenneth Stewart.

279. Pere Marquette State Park, Grafton, Ill. (same area as last year).—Dec. 28; 7 a.m. to 5:30 p.m. Fog until 10 a.m., clear thereafter; temp. 28° to 35°; wind S to SW, 5-15 m.p.h. Twenty-six observers in 4 parties. Total party-hours, 33 (15 on foot, 18 by car); total party-miles, 175 (25 on foot, 150 by car). Great Blue Heron, 3; Canada Goose, 142; Snow Goose, 150; Blue Goose, 428; Mallard, 60,334; Black Duck, 57; Gadwall, 14; Am. Widgeon, 2; Pintail, 5076; Shoveller, 32; Redhead, 13; Lesser Scaup, 50; Am. Golden-eye, 151; Old-squaw, 1; Am. Merganser, 211; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 19; Red-shouldered Hawk, 7; Rough-legged Hawk, 1; Bald Eagle, 53; Marsh Hawk, 11; Sparrow Hawk, 11; Bob-white, 39; Killdeer, 7; Herring Gull, 51; Ring-billed Gull, 92; Mourning Dove, 128; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 69; Pileated Woodpecker, 6; Red-bellied Woodpecker, 52; Red-headed Woodpecker, 47; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 10; Downy Woodpecker, 69; Horned Lark, 13; Blue Jay, 55; Am. Crow, 369; Black-capped Chickadee, 73; Tufted Titmouse, 72; White-breasted Nuthatch, 17; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 26; Mockingbird, 6; Am. Robin, 20; Eastern Bluebird, 51; Golden-crowned Kinglet, 24; Loggerhead Shrike, 1; Common Starling, 349; House Sparrow, 410; European Tree Sparrow, 4; Eastern Meadowlark, 68; Western Meadowlark, 1; Red-winged Blackbird, 2336; Rusty Blackbird, 6; Brewer's Blackbird, 1; Purple Grackle, 306; Brown-headed Cowbird, 50; Cardinal, 196; Pine Siskin, 1; Am. Goldfinch, 81; Eastern Towhee, 1; Slate-colored Junco, 968; Am. Tree Sparrow, 792; Field Sparrow, 25; White-crowned Sparrow, 2; White-throated Sparrow, 6; Swamp Sparrow, 20; Song Sparrow, 58. **Total,** 73 species; 73,784 individuals. —Robert Andrews, Joan Andrews, Herbert Ball, Glenna Ball, Wm. Bremser, Jr., Jack Buese, Jack Decker, Kemp Hutchinson, Cora Hutchinson, Charles Laun, James McBurney, Jr., John Muether, Grover Norwood, Richard Rodrian, Dieter Rodrian, Charles E. Scherrer, Charles F. Scherrer, Sarah Jo Springer, Beatrice Waterbury, Irene Weber, Allan Weber, Joan Weber, Kenneth Weber, Gene Wilhelm, Jr., Lucas Wrischnik, James Ziervogel.

280. Princeton, Ill. (7½-mile radius with Princeton and environs on northern boundary and Hennepin on southeast, including Thomas woods, Bryant Grove, Oakland Cemetery and Illinois River bottomlands including highways 26 and 71, and sideroads radiating from same; town 10%, farms 15%, groves 25%, highways 25%, river bottomlands 25%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Clear; temp. 8° to 25°; wind N, 11 m.p.h.; no snow; fresh water partly frozen, unusually mild weather this winter. Sixteen observers in 7 parties. Total party-hours, 66 (17 on foot, 46 by car, 3 on horseback); total party-miles, 258 (17 on foot, 238 by car, 3 on horseback). Great Blue Heron, 2; Am. Egret, 1; Canada Goose, 100 (est.); Mallard, 381 (375 est.); Wood Duck, 20; Cooper's Hawk, 2; Red-tailed Hawk, 7; Marsh Hawk, 2; Bob-white, 27; Ring-billed Gull, 3; Screech Owl, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 7; Hairy Woodpecker, 10; Downy Woodpecker, 9; Horned Lark, 2; Blue Jay, 37; Am. Crow, 26; Black-capped Chickadee, 70; Tufted Titmouse, 13; White-breasted Nuthatch, 32; Red-breasted Nuthatch, 4; Brown Creeper, 1; Mockingbird, 1 (regular visitor); Am. Robin, 1; Golden-crowned Kinglet, 2; Common Starling, (too many to count or est.); House Sparrow, (not est.); Cardinal, 40; Am. Goldfinch, 18+; Slate-colored Junco, 126; Am. Tree Sparrow, 110 (est.); Fox Sparrow, 6; Song Sparrow, 9. **Total,** 33 species; 1077 individuals. (Mourning Dove seen Dec. 25.)—Mr. & Mrs. Ellis Rudiger, Mr. & Mrs. Carl Kramer, Mrs. Richard Skinner, Miss Donnabelle Fry, Mrs. Orin Spaulding, Miss Grace Shugart, John Callinaw, Alfred Dyke, Mrs. Alfred Dyke (compiler), Harry Thomas, Mrs. Ben Hoyle & granddaughter, Mr. & Mrs. W. D. Boyle.

281. River Forest and Chicago Lake Front (Cook Co.), Ill. (Forest Preserve areas and farm fields between Madison St. and North Ave.; Chicago lake front between Belmont Harbor and Burnham Harbor; deciduous woodlands 50%, lake front 35%, open farm fields 10%, shrubby fields 5%).—Dec. 21; 7:15 a.m. to 4:15 p.m. Cloudy and misty; temp. 35° to 37°; wind SW, 0-5 m.p.h.; ground wet and muddy; river about half frozen; Lake Michigan completely open. Three observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 20 (7 on foot, 13 by car). Mallard, 23; Redhead, 2; scaup (sp.), 281; Am. Golden-eye, 148; Buffle-head, 1; Old-squaw, 14; Am. Merganser, 44; Red-breasted Merganser, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Herring Gull, 600 (est.); Ring-billed Gull, 600 (est.); Bonaparte's Gull, 270; Horned Owl, 1; Hairy Woodpecker, 6; Downy Woodpecker 23; Am. Crow, 16; Black-capped Chickadee, 41; Tufted Titmouse, 7; White-breasted Nuthatch, 9; Brown Creeper, 16; Carolina Wren, 2;

Common Starling, 133; House Sparrow, 41; Red-winged Blackbird, 1; Cardinal, 20; Slate-colored Junco, 12; Field Sparrow, 2; Fox Sparrow, 3; Song Sparrow, 13. **Total,** 31 species; about 2334 individuals. (Seen in area Dec. 24: Am. Goldfinch, 3; Am. Tree Sparrow, 7.)—A. Montague, N. B. Bowman, A. C. Montague (compiler).

282. Rockford, Ill. (same area as last year; open fields and farms 30%, creek and river bottoms 20%, deciduous woodlands 30%, coniferous plantings 5%, marshland and river bottom sloughs 15%).—Dec. 28; 6 a.m. to 5 p.m. Clear; temp. 16° to 30°; wind NW, 6-10 m.p.h.; no snow; rivers and streams open; sloughs frozen. Twenty-nine observers in 13 parties. Total party-hours, 57½ (37 on foot, 20½ by car); total party-miles, 672 (37 on foot, 635 by car). Mallard, 90; Black Duck, 25; Wood Duck, 2; Goshawk, 1 [no details—Ed.]; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 30; Red-shouldered Hawk, 3; Rough-legged Hawk, 11; Marsh Hawk, 3; Sparrow Hawk, 1; Broad-winged Hawk, 1 [no details—Ed.]; Bob-white, 1; Ring-necked Pheasant, 1; Killdeer, 2; Wilson's Snipe, 1; Herring Gull, 4; Ring-billed Gull, 3; Screech Owl, 3; Horned Owl, 4; Barred Owl, 5; Long-eared Owl, 3; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 34; Horned Lark, 5; Blue Jay, 43; Am. Crow, 362; Black-capped Chickadee, 84; Tufted Titmouse, 15; White-breasted Nuthatch, 68; Red-breasted Nuthatch, 4; Brown Creeper, 21; Am. Robin, 3; Eastern Bluebird, 1; Golden-crowned Kinglet, 44; Common Starling, 612; House Sparrow, 1001; Purple Grackle, 1; Brown-headed Cowbird, 11; Cardinal, 51; Evening Grosbeak, 1; Purple Finch, 8; Common Redpoll, 3; Am. Goldfinch, 42; Slate-colored Junco, 130; Am. Tree Sparrow, 451; Swamp Sparrow, 1; Song Sparrow, 32; Lapland Longspur, 1. **Total,** 52 species; 3259 individuals. (Seen in area Dec. 21, Eastern Towhee; Dec. 27, European Partridge.)—Bill Baker, Harold Bennett, Kathryn Bennett, Donny Bennett, Paul Boynton, Mr. & Mrs. Colehour, Willo Doolittle, Sherman Ehlert, Lee Ellis, Owen Fleener, Jack Foster, Mrs. Foster, Bob Haskin, Lee Johnson, Milton Mahlburg, Ed McClelland, Mr. & Mrs. Monnier, Mr. & Mrs. Moreland, Mr. & Mrs. Prentice, Miss Florence Schenck, Dave Seal, John Sheagren, Miss Edith Van Duzer, John Van Sickle, John Williams.

283. Southeastern Cook Co., Ill. (southeastern part of Chicago plus Hammond, Indiana, as previously described; low woods and brush 50%, lake shore 25%, dry deciduous woods 10%, cinder and slag fill areas 5%, city streets 5%, cattail marsh 4%, open fields 1%).—Dec. 26; 7:15 a.m. to 4:45 p.m. Cloudy to partly cloudy; temp. 26° to 30°; wind W to SW, 15-20 m.p.h.; no snow; water 85% open. Two observers in 1 party. Total party-hours, 9½ (5½ on foot, 4 by car); total party-miles, 68 (5 on foot, 63 by car). Pied-billed Grebe, 1; Mallard, 1; Lesser Scaup, 5; Am. Golden-eye, 17; Buffle-head, 5; Am. Merganser, 7; Sparrow Hawk, 1; Bob-white, 9; Ring-necked Pheasant, 2; Herring Gull, 1801 (1600±200, 201); Ring-billed Gull, 226 (200±25, 26); Bonaparte's Gull, 314 (275±25, 39); Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 2; Am. Crow, 3; Black-capped Chickadee, 11; Tufted Titmouse, 8; White-breasted Nuthatch, 1; Common Starling, 46; House Sparrow, 83; **Red-winged Blackbird,** 106 (50 est., 56); Cardinal, 13; Purple Finch, 4; Am. Goldfinch, 9; Slate-colored Junco, 20; Am. Tree Sparrow, 4; White-throated Sparrow, 1; Song Sparrow, 5; Snow Bunting, 3. **Total,** 30 species; about 2711 individuals. (Seen in area Dec. 27: Canada Goose, 1; Am. Coot, 1; Mourning Dove, 1; Brown Creeper, 2.)—Marvin Davis (compiler), Doris Davis.

284. Springfield, Ill. (7½-mile radius from Springfield, including Lake Springfield and Sangamon River region).—Dec. 28; 8 a.m. to 5:30 p.m. Temp. 20° to 34°; wind S to SSW, 20-30 m.p.h.; Lake Springfield free of ice; no snow on the ground. Eleven observers in 6 parties. Total party-hours, 41 (20 on foot, 21 by car); total party-miles, 170 (26 on foot, 144 by car). Canada Goose, 7; Mallard, 10,000 (±500); Black Duck, 10,000 (±500); Gadwall, 1; Shoveller, 1; Redhead, 20; Ring-necked Duck, 1; Canvas-back, 30; Lesser Scaup, 60; Am. Golden-eye, 3; Buffle-head, 2; Ruddy Duck, 2; Hooded Merganser, 7; Am. Merganser, 20; Red-breasted Merganser, 20; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 8; Bob-white, 63; Am. Coot, 10; Herring Gull, 2; Ring-billed Gull, 1016 (1000±100, 16); Mourning Dove, 2; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 64; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 13; Downy Woodpecker, 61; Horned Lark, 6; Blue Jay, 45; Am. Crow, 127; Black-capped Chickadee, 104; Tufted Titmouse, 104; White-breasted Nuthatch, 16; Brown Creeper, 16; Winter Wren, 3; Carolina Wren, 21; Mockingbird, 2; Am. Robin, 3; Eastern Bluebird, 15; Golden-crowned Kinglet, 16; Loggerhead Shrike, 1; Common Starling, 2142 (2000±100, 142); House Sparrow, 400 (±50); Cardinal, 116; Purple Finch, 3; Am. Goldfinch, 86; Slate-colored Junco, 169; Am. Tree Sparrow, 177; White-throated Sparrow, 1; Swamp Sparrow, 3 (well seen—B.R.); Song Sparrow, 21. **Total,** 55 species; 24,882 individuals. —Dr. and Mrs. Richard Allyn, Stanley Atterberry, Maurice Cook, Lena Hardbarger, Lois Hogan, Lois Hopwood, Al Kaszynski, N. E. Nilsson, Bill Robertson, William Sausaman (Springfield Nature League).

285. Urbana - Champaign, Ill. (Sangamon River near White Heath, University woods, city dump, South Campus, and intervening farmland).—Dec. 26; 8 a.m. to 4 p.m. Cloudy; temp. 22° to 27°; wind SW, strong; ground with sprinkle of snow. Ten observers in 2 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 62 (12 on foot, 50 by car). Red-tailed Hawk, 65; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Marsh Hawk,

1; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Mourning Dove, 2; Barred Owl, 1; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 14; Hairy Woodpecker, 8; Downy Woodpecker, 35; Horned Lark, 1; Blue Jay, 38; Am. Crow, 65; Black-capped Chickadee, 45; Tufted Titmouse, 50; White-breasted Nuthatch, 23; Brown Creeper, 4; Carolina Wren, 3; Golden-crowned Kinglet, 22; Common Starling, 800; House Sparrow, 600; Cardinal, 60; Am. Goldfinch, 8; Eastern Towhee, 1; Slate-colored Junco, 60; Oregon Junco, 1 (S.C.K.); Am. Tree Sparrow, 68; Song Sparrow, 10. **Total,** 30 species; 1943 individuals. On Dec. 27, a Palm Warbler was observed at close range in a flock of House Sparrows within Champaign.—W. M. Luce, Jacqueline Luce, Don V. Duncan, Carl Gieseking, Leland Somers, L. L. Steimley, Mrs. Steimley, C. C. Burns, Donald Kendeigh, S. C. Kendeigh (compiler).

286. Adams, Wis. (semi-circular area of 7½-mile radius centering at Dellwood, south along the Wisconsin River to Castle Rock Dam and north to Monroe Center, and including creek bottoms and uplands, east to Adams and Friendship; deciduous bottomland 40%, upland pine forest 45%, deciduous farm woodlots 5%, pasture 5%, river bank 4%, town 1%).—Dec. 22; 5:15 a m. to 4:15 p.m. Overcast; intermittent snow; temp. 32°; wind slight; ground covered with 5-inches new snow; Wisconsin River closed except below dams; creeks mostly open. One observer. Total hours, 11 (5 on foot, 6 by car); total miles, 89 (5 on foot, 84 by car). Am. Merganser, 1; Red-tailed Hawk, 1; Bald Eagle, 2; Ruffed Grouse, 2; Horned Owl, 6; Barred Owl, 7; Pileated Woodpecker, 3; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 7; Blue Jay, 75; Am. Crow, 56; Black-capped Chickadee, 70; Tufted Titmouse, 1; White-breasted Nuthatch, 19; Brown Creeper, 2; Winter Wren, 1 (heard scolding, then seen at 30 feet); Golden-crowned Kinglet, 63; Common Starling, 1; House Sparrow, 22; Cardinal, 7; Evening Grosbeak, 2; Purple Finch, 3; Common Redpoll, 247; Am. Goldfinch, 216; Slate-colored Junco, 88; Am. Tree Sparrow, 52; Snow Bunting, 1. **Total,** 29 species; 968 individuals.—S. D. Robbins.

287. Appleton. Wis. (7-mile radius centering in Appleton, east to Kaukauna, west and south to the lake front and Neenah; city parks and streets 5%, riverbank 20%, cemetery 10%, fields 20%, lake front 40%, hardwoods 5%).—Dec. 26; 7:30 a.m. to 4:30 p.m. Snow flurries in a.m.; temp. 20° to 20°; wind SW, 14 m.p.h.; ground covered with 5-in. crusted snow. Twelve observers in 4 parties. Total party-hours, 27 (24 on foot, 3 by car); total party-miles, 80 (25 on foot, 55 by car). Mallard, 2; Black Duck, 513; Am. Golden-eye, 88; Ring-necked Pheasant, 9; Herring Gull, 53; Barred Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 29; Blue Jay, 10; Am. Crow, 10; Black-capped Chickadee, 33; White-breasted Nuthatch, 19; Brown Creeper, 22; Am. Robin, 1; Golden-crowned Kinglet, 8; Common Starling, 25; House Sparrow, 148; Cardinal, 3; Evening Grosbeak, 7; Pine Siskin, 4; Slate-colored Junco, 49; Am. Tree Sparrow, 5. **Total,** 23 species; 1044 individuals. (Seen in area Dec. 24: Common Redpoll, 8; Carolina Wren, 1.) (Green-tailed Towhee seen on Dec. 27, caught in banding trap Dec. 28, taken alive to the Public Museum, Milwaukee—Mrs. Walter E Rogers.)—Mrs. A. C. Berry, Cora Harvey, Mrs. Fred Guenther, Ann, Jim and Mrs. C. M. McEathron, Mrs. W. C. Rehbein, Mrs. Walter E Rogers (compiler), Mrs. Walter E. Roller, Charles Scribner, Jim Streiby, Mrs. Dale Vawter.

288. Green Bay, Wis. (area around De Pere and Green Bay, including West Bay shore, Point Sauble and town of Scott; upland woods 45%, swampy woods 15%, open fields 20%, river and bay shore 20%).—Dec. 21; 8 a.m. to 3:45 p.m. Cloudy; temp. 29° to 34°; wind NE, 5-7 m.p.h.; 4 to 5 in. of snow. Eight observers in 5 parties. Total party-hours, 18¼ (12½ on foot, 5¾ by car); total party-miles, 111½ (13½ on foot, 98 by car). Lesser Scaup, 6; Am. Golden-eye, 3; European Partridge, 4; Ring-necked Pheasant, 1; Herring Gull, 22; Mourning Dove, 1; Screech Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 15; Horned Lark, 100; Blue Jay, 57; Am. Crow, 9; Black-capped Chickadee, 69; White-breasted Nuthatch, 11; Brown Creeper, 7; Am. Robin, 24; Golden-crowned Kinglet, 15; Common Starling, 305; House Sparrow, 1383; Cardinal, 10; Evening Grosbeak, 1; Pine Grosbeak, 2; Common Redpoll, 21; Pine Siskin, 8; Am. Goldfinch, 24; Slate-colored Junco, 63; Am. Tree Sparrow, 62. **Total,** 28 species; 2234 individuals.—Edwin D. Cleary, Ed Paulson, Ray Hussong, Mrs. Ray Hussong, Chester Krawtzyk, Mrs. Alice Weber, Mrs. Paul Romig, Paul Romig (Green Bay Bird Club).

289. Kenosha, Wis. (roads in eastern Kenosha County, harbor, Petrifying Springs County Park; lake shore 25%, fields 25%, conifer groves 15%, hardwoods 35%).—Dec. 27; 9 a.m. to 4:30 p.m. Clear with stratocumulus over Lake Michigan; temp. 7° to 26°; wind NNW, 6 m.p.h. Six observers in 1 party. Total party-hours, 7½; total party-miles, 39 (4 on foot, 35 by car). Black-crowned Night Heron, 1 (im.); Mallard, 26; Lesser Scaup, 1 (head color & wing patch); Am. Golden-eye, 9; Old-squaw, 35; Red-breasted Merganser, 10; unidentified accipiter (fairly small); Red-shouldered Hawk, 1; Rough-legged Hawk, 2 (plus 2 unidentified buteos); Ring-necked Pheasant, 7; Herring Gull, 175; Ring-billed Gull, 1; Bonaparte's Gull, 3; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 10; Short-eared Owl, 3; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 8; Horned Lark, 26; Blue Jay, 14; Am. Crow, 25; Black-capped Chickadee, 7; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 5; Am. Robin, 3; Golden-crowned Kinglet, 25; Cedar Waxwing, 8; Common Starling, 126; House Sparrow, 193; Cardinal, 4; Purple Finch, 5; Pine Grosbeak, 1; Common Redpoll, 17; Pine Siskin, 1; Am. Goldfinch, 6; Slate-colored Junco, 61;

Am. Tree Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 2. **Total,** 42 species; 836 individuals. (On Dec. 26, Snow Bunting; Horned Larks (R.G.); on Dec. 29, Great Black-backed Gull (adult)—L.B., R.G.)—Laurie Binford, Mrs. Eva Fenner, Richard Gordon (compiler), Mrs. Mabel Higgins, Tom Kemper, Richard Macomber.

290. Lake Geneva, Wis. (area same as in previous years).—Dec. 21; 7 a.m. to 4 p.m. Cloudy and foggy, some fine rain; temp. 25° to 35°; wind W, 0-10 m.p.h.; ground almost free of snow; entire lake open. Seven observers in 2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 64 (12 on foot, 52 by car). Horned Grebe, 2; Pied-billed Grebe, 9; Canada Goose, 1; Mallard, 60; Black Duck, 50; Gadwall, 2; Redhead, 15; Ring-necked Duck, 220; Canvas-back, 300; Lesser Scaup, 75; Am. Golden-eye, 125; Buffle-head, 25; Ruddy Duck, 30; Hooded Merganser, 12; Am. Merganser, 100; Red-breasted Merganser, 100; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Ring-necked Pheasant, 3; Am. Coot, 150; Herring Gull, 30; Ring-billed Gull, 12; Screech Owl, 1; Short-eared Owl, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 2; Blue Jay, 14; Am. Crow, 25; Black-capped Chickadee, 10; White-breasted Nuthatch, 6; Brown Creeper, 5; Am. Robin, 1; Golden-crowned Kinglet, 7; Common Starling, 7; House Sparrow, 15; Red-winged Blackbird, 1; Cardinal, 11; Common Redpoll, 7; Pine Siskin, 17; Am. Goldfinch, 2; Slate-colored Junco, 9; Am. Tree Sparrow, 35; Swamp Sparrow, 3; Song Sparrow, 3. **Total,** 47 species; 1525 individuals.—Earl Anderson, Karl Bartel, Laurie Binford, Charles T. Clark, Mr. and Mrs. A. L. Campbell, C. O. Palmquist (compiler).

291. Madison, Wis. (7½-mile radius, centering about Vilas Park and including the University of Wisconsin Arboretum, Lake Wingra, Dun's Marsh, Fish Hatchery, Lake Waubesa and Waubesa Marsh, Yahara River, and adjacent marshes, Lake Monona, Lake Mendota, Picnic Point, Tent Colony, Eagle Heights and Crestwood; 20% lake, 20% cattail marsh, 10% oak forest, 50% plowed land).—Dec. 21; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 29° to 31°; practically no wind; ground covered with 1-in. crusted snow; lakes partly open, streams open. Sixteen observers in 9 parties. Total party-hours, 45 (20½ on foot, 24½ by car); total party-miles, 174 (27 on foot, 147 by car). Mallard, 472; Black Duck, 420; Gadwall, 7 (N.R.B., *et al.*); Am. Widgeon, 17; Pintail, 1; Green-winged Teal, 1; Redhead, 19; Ring-necked Duck, 81; Canvas-back, 702; Greater Scaup, 1; Lesser Scaup, 1010; Am. Golden-eye, 945; Buffle-head, 11; White-winged Scoter, 2; Surf Scoter, 1 (G.W.F.); Ruddy Duck, 3; Hooded Merganser, 58 (N.R.B., *et al.*); Am. Merganser, 402; Goshawk, 1 (G.W.F.); Red-tailed Hawk, 7; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 6; Ring-necked Pheasant, 45; Am. Coot, 1036; Wilson's Snipe, 3; Herring Gull, 66; Ring-billed Gull, 30; Screech Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 3; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 38; Blue Jay, 157; Am. Crow, 90; Black-capped Chickadee, 113; White-breasted Nuthatch, 39; Brown Creeper, 34; Winter Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 73; Common Starling, 210; House Sparrow, 700; Red-winged Blackbird, 304; Rusty Blackbird, 2; Purple Grackle (Bronzed), 2; Cardinal, 54; Purple Finch, 25; Common Redpoll, 3; Pine Siskin, 50; Am. Goldfinch, 21; Vesper Sparrow, 1 [no details—Ed.]; Slate-colored Junco, 200; Am. Tree Sparrow, 1075; Field Sparrow, 2; White-throated Sparrow, 8; Swamp Sparrow, 4; Song Sparrow, 13. **Total,** 60 species; 9592 individuals.—Mrs. Florence Anderson, Mr. and Mrs. N. R. Barger, Ruby Bere, Alice Fosse, George W. Foster, Jr., John Kasper, Mrs. James Lacey, Mrs. Philip E. Miles, James Neis, Helen Northup, A. W. Schorger, Palmer D. Skaar, Mrs. R. A. Walker, Mrs. H. M. Williams, Robert Williams (Madison Audubon Society).

292. Mazomanie, Wis. (marshes and wooded bottomland on south side of Wisconsin River between Mazomanie and Sauk City, fields and woodlands along north side of river from Prairie du Sac to Cactus Bluff; deciduous woodland 40%, river and banks 25%, marsh 20%, open fields 10%, residential 5%).—Dec. 24; 6 a.m. to 4:30 p.m. Cloudy; temp. 28° to 32°; wind W, 5-10 m.p.h.; ground covered with 1-in. crusted snow; river open. Two observers in 1 party. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 55 (5 on foot, 50 by car). Am. Golden-eye, 8; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 2; Bob-white, 15; Ring-necked Pheasant, 2; Herring Gull, 2; Ring-billed Gull, 3; Mourning Dove, 1; Horned Owl, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 83; Am. Crow, 65; Black-capped Chickadee, 14; White-breasted Nuthatch, 20; Brown Creeper, 3; Golden-crowned Kinglet, 14; Common Starling, 60; House Sparrow, 300; Red-winged Blackbird, 1; Cardinal, 18; Purple Finch, 18; Common Redpoll, 6; Pine Siskin, 20; Am. Goldfinch, 50; Slate-colored Junco, 35; Am. Tree Sparrow, 150; Song Sparrow, 3; Lapland Longspur, 40; Snow Bunting, 1. **Total,** 40 species; 972 individuals.—N. R. Barger, S. D. Robbins.

293. Milwaukee, Wis. (same area as in previous counts).—Dec. 28; 7 a.m. to 4:45 p.m. Partly cloudy, clearing in p.m.; temp. 18° to 29°; wind SW, 15-20 m.p.h.; ground frozen, no fresh snow but some traces still in some places; Lake Michigan open. Twenty-five observers in 5 parties. Total party-hours, 43 (18 on foot, 25 by car); total party-miles, 198 (23 on foot, 175 by car). Red-throated Loon, 3; Western Grebe, 1 [no details—Ed.]; Mallard, 689; Black Duck, 290; Am. Widgeon, 6; Pintail, 2; Green-winged Teal, 2; Shoveller, 6 [no details—Ed.];

Wood Duck, 1; Canvas-back, 10; Greater Scaup, 854; Lesser Scaup, 13; Am. Golden-eye, 6466; Buffle-head, 193; Old-squaw, 190; White-winged Scoter, 1; Ruddy Duck, 23; Hooded Merganser, 3; Am. Merganser, 3064; Red-breasted Merganser, 212; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Sparrow Hawk, 4; Ruffed Grouse, 1; European Partridge, 11; Bob-white, 20; Ring-necked Pheasant, 70; Am. Coot, 2; Glaucous Gull, 1; Herring Gull, 1477; Ring-billed Gull, 577; Bonaparte's Gull, 78; Mourning Dove, 1; Screech Owl, 6; Long-eared Owl, 15; Short-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 26; Blue Jay, 18; Am. Crow, 1323; Black-capped Chickadee, 153; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 4; Brown Creeper, 9; Am. Robin, 17; Golden-crowned Kinglet, 23; Bohemian Waxwing, 1; Cedar Waxwing, 20; Common Starling, 549; House Sparrow, 630+; Purple Grackle, 1; Cardinal, 40; Evening Grosbeak, 7; Purple Finch, 24; Pine Grosbeak, 2; Common Redpoll, 4; Pine Siskin, 6; Am. Goldfinch, 18; Slate-colored Junco, 116; Am. Tree Sparrow, 156; Field Sparrow, 2; Song Sparrow, 3. **Total,** 66 species; about 17,498 individuals. Also 1 unidentified shorebird and 2 unidentified blackbirds. (Seen in area previous to count: Red-winged Blackbird, 1; Gray Shrike, 1; Brown-headed Cowbird, 2; Horned Owl, 1; Horned Lark, 1; Gadwall, 2.)—Mrs. A. P. Balsom, Virginia Becker, Dan Berger, Lawrie Binford, Mary Decker, Mary Donald (compiler), Mr. & Mrs. C. P. Frister, Dick Gordon, Dr. Anna Hehn, John Hoogerheide, Rufin Jankowski, Kenneth Kuhn, Allie Krueger, Mrs. F. L. Larkin, Mr. and Mrs. M. Paulsen, Mrs. Nila O'Hearn, Gordon Orians, Harold Scott, Jack Spears, Mr. and Mrs. Alvin Throne, George Treichel, Emil Urban (John Muir Club, City Club Bird Group).

294. Monroe, Wis. (bottomlands along the Sugar and Pecatonica Rivers, New Glarus Woods, fields and woods north and west of the city, feeding stations in Monroe and neighboring towns; fields 30%, river bottoms 25%, upland woods 25%, feeding stations 15%, marsh 5%).—Dec. 27; 7:15 a.m. to 4:30 p.m. Clear; temp. 12° to 24°; wind NW, 3-6 m.p.h.; no snow in exposed places, 1 inch in protected areas; all streams open. Eleven observers in 2 parties. Total party-hours, 15 (8 on foot, 7 by car); total party-miles, 102 (12 on foot, 90 by car). Cooper's Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 2; Rough-legged Hawk, 8; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 14; Ring-necked Pheasant, 24; Wilson's Snipe, 2; Screech Owl, 1; Horned Owl, 2; Short-eared Owl, 3; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 25; Horned Lark, 11; Blue Jay, 49; Am. Crow, 43; Black-capped Chickadee, 44; Tufted Titmouse, 2; White-breasted Nuthatch, 25; Brown Creeper, 1; Winter Wren, 1; Golden-crowned Kinglet, 15; Common Starling, 196; House Sparrow, 1500; Western Meadowlark, 12; Red-winged Blackbird, 1; Cardinal, 12; Am. Goldfinch, 32; Slate-colored Junco, 27; Am. Tree Sparrow, 1742; Swamp Sparrow, 3; Song Sparrow, 11; Lapland Longspur, 7. **Total,** 36 species; 3840 individuals. (Seen during week: Am. Robin, Rusty Blackbird.)—Mrs. J. W. Barlow, Charlotte Churchill, Mrs. E. N. Churchill, Mrs. Victor Corson, E. O. Evans, Mrs. Fred Haldiman, Ralph Kofoed, Miss Virginia Krauss, Gordon Orians, H. L. Orians, Helen Smith (Monroe Nature Club).

295. Seneca, Wis. (same as last year).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear; temp. 12° to 23°; wind SW, 4-12 m.p.h.; 6-in. snow; river and streams partly frozen. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 42 (8 on foot, 34 by car). Bald Eagle, 3; Ruffed Grouse, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 3; Am. Crow, 2; Black-capped Chickadee, 10; Tufted Titmouse, 1; White-breasted Nuthatch, 5; Common Starling, 8; House Sparrow, 53; Cardinal, 11; Am. Goldfinch, 15; Slate-colored Junco, 10; Am. Tree Sparrow, 80; Song Sparrow, 2. **Total,** 19 species; 214 individuals. —Clarence Paulson.

296. Waukesha, Wis. (15-mile diameter; same as 1949 and subsequent years; 3 wooded areas in city, southwest to Kettle Moraine State Forest, along Fox River valley to Mukwonago Marsh, to Saylesville, south to Mukwonago and Big Bend; open farmlands 35%, deciduous farm woodlots 45%, tamarack swamp 4%, grassy marsh 11%, town suburbs 5%).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 13° to 21°; wind N, 10 m.p.h.; no snow on ground, springs open, river partially open. Eighteen observers in 4 parties (2 at feeding stations). Total party-hours, 35 (17 on foot, 18 by car); total party-miles, 260 (27½ on foot, 232½ by car). Canada Goose, 1; Mallard, 3; Ring-necked Duck, 1; Am. Golden-eye, 2; Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 29; Red-shouldered Hawk, 1; Rough-legged Hawk, 11; Marsh Hawk, 5; Sparrow Hawk, 3; European Partridge, 5; Ring-necked Pheasant, 9; Wilson's Snipe, 1; Herring Gull, 24; Ring-billed Gull, 1; Mourning Dove, 1; Screech Owl, 3; Horned Owl, 1; Short-eared Owl, 9; Yellow-shafted Flicker, 2; Red-headed Woodpecker, 4; Hairy Woodpecker, 19; Downy Woodpecker, 45; Horned Lark, 9; Blue Jay, 81; Am. Crow, 663; Black-capped Chickadee, 112; White-breasted Nuthatch, 38; Brown Creeper, 2; Catbird, 1; Am. Robin, 1; Golden-crowned Kinglet, 15; Cedar Waxwing, 1; Common Starling, 587; House Sparrow, 761; Eastern Meadowlark, 4; Cardinal, 11; Purple Finch, 18; Pine Siskin, 6; Am. Goldfinch, 42; Slate-colored Junco, 218; Am. Tree Sparrow, 1354; Swamp Sparrow, 2; Song Sparrow, 2; Lapland Longspur, 82. **Total,** 46 species; 4194 individuals. (A Redhead was observed ¾ of a mile out of our circle.)—Robert Adams, Fred Alyea, Vince Batha, Harlow Bielefeldt, Les and Olive Compton, Rahn Cuthbert, Paul G. Hoffman, Emma Hoffman, S. Paul Jones, Helen Kramer, Charles E. Nelson, Mary Nelson, Charles

Sontag, Tom Soulen, Mary Sydow, Peter Weber, T. G. Wilder (Benjamin F. Goss Bird Club).

297. Waupun, Wis. (35-mile circumference around the borders of the Horicon National Wildlife Refuge, Dodge and Fond du Lac Counties; from Waupun to Burnett to Kekoskee back to Waupun; deciduous farm woodlots 25%, cattail marsh 15%, town suburbs 5%, farm fence rows 50%, pasture 5%).—Dec. 29; 7 a.m. to 5 p.m. Partly cloudy, snow flurries; temp. 20° to 30°; wind S, 4 m.p.h.; all fresh water frozen except small hole kept open by ducks and geese; ground covered with 2-in. snow. Two observers in 2 parties. Total party-hours, 12 (4 on foot, 8 by car); total party-miles, 50. Canada Goose, 2500; Mallard, 150; Black Duck, 50; Pintail, 2; Hooded Merganser, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 8; European Partridge, 9; Ring-necked Pheasant, 121; Am. Coot, 7; Mourning Dove, 4; Barred Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 5; Am. Crow, 5; Black-capped Chickadee, 10; White-breasted Nuthatch, 5; Brown Creeper, 1; Common Starling, 19; House Sparrow, 200; Common Redpoll, 200; Slate-colored Junco, 12; Am. Tree Sparrow, 150; White-crowned Sparrow, 1. **Total,** 26 species; 3468 individuals—Lloyd F. Gunther (compiler), Jerald J. Wilson.

298. Cedar Creek Forest, (Anoka Co.), Minn. (about 4 square miles of Cedar Creek Game Refuge Area; open fields 20%, deciduous woods 25%, tamarack swamp-cedar bog 35%, white pine woods 20%).—Dec. 21; 8:45 a.m. to 3:30 p.m. Cloudy; temp. 25°; no wind; 4 inches of snow. Twelve observers in 6 parties. Total party-hours, 50 (on foot); total party-miles, 25 (on foot). Ruffed Grouse, 12; Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 8; Am. Crow, 1; Black-capped Chickadee, 36; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 2; Brown Creeper, 1; Golden-crowned Kinglet, 3; Common Redpoll, 20; Am. Goldfinch, 5; Slate-colored Junco, 15. **Total,** 14 species; 125 individuals.—R. H. Anderson, Mrs. R. H. Anderson, Mrs. A. D. Corniea, J. G. Erickson (compiler), O. T. Kalin, Mrs. D. Lawrence, J. Lundgren, C. McGee, W. Parrish, I. Swanson, J. Thompson, A. C. Wangaard (Minnesota Bird Club).

299. Duluth, Minn. (Fond du Lac to Gooseberry River along St. Louis River and Lake Superior including Minnesota Point; town suburbs 20%, deciduous city parks and highways 70%, sand dunes 10%).—Dec. 20; 8 a.m. to 5 p.m. Overcast; temp. 30° to 35°; wind NE, 5-15 m.p.h.; snow cover scanty, exposed areas almost bare, all fresh water frozen except Lake Superior. Eighteen observers in 10 parties. Total party-hours, 46½ (20 on foot, 26½ by car); total party-miles, 277 (29 on foot, 248 by car). Lesser Scaup, 1; Am. Golden-eye, 530; Buffle-head, 12; Am. Merganser, 5; Bald Eagle, 1; Ruffed Grouse, 16; Ring-necked Pheasant, 2; Glaucous Gull, 3; Herring Gull, 875; Ring-billed Gull, 3; Horned Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 43; Horned Lark, 1; Blue Jay, 22; Common Raven, 5; Black-capped Chickadee, 49; Red-breasted Nuthatch, 20; Am. Robin, 4; Gray Shrike, 2; Common Starling, 266; House Sparrow, 421; Evening Grosbeak, 356; Pine Grosbeak, 175; Common Redpoll, 121; Pine Siskin, 71. **Total,** 28 species; 3013 individuals. (Seen in area Dec. 28: Purple Finch, 8; Bohemian Waxwing, 27.)—P. Hofslund, J. K. Bronoel (compiler), R. Cohen, J. Shoberg, E. Putnam, H. Putnam, O. Lakela, M. Elwell, M. Fulton, E. Boeder, J. Boeder, Mrs. A. Roberts, O. A. Finseth, S. Cox, J. Antonio, M. Brown, Mrs. L. Taylor, H. Adams.

300. Rice Lake Refuge, East Lake, Minn. (7½-mile radius centering at refuge headquarters; east to East Lake, north to McGregor, west to Portage Lake, south to Fish-trap bridge, southeast to shore of Rice Lake at landing, back east to starting point; mixed hardwoods 50%, hardwood and conifer mixed 10%, tamarack-spruce swamp 10%, open meadows 10%, jack pine island 10%, aspen-willow lowlands 10%).—Dec. 28; 8 a.m. to 4:30 p.m. Temp. 16° to 28°; wind NW, 8 m.p.h.; ground covered with 2-4 inches crusted snow. One observer. Total hours, 8 (5 on foot, 3 by car); total miles, 57 (10 on foot, 47 by car). Ruffed Grouse, 11; Sharp-tailed Grouse, 1; Hairy Woodpecker, 4; Downy Woodpecker, 1; Black-capped Chickadee, 12; Gray Shrike, 1; Common Starling, 18; House Sparrow, 79; Common Redpoll, 35; Snow Bunting, 18. **Total,** 10 species; 180 individuals. (Seen Dec. 20 to 28: Goshawk, Rough-legged Hawk, Common Raven, Horned Owl, Barred Owl, Pileated Woodpecker, Horned Lark, Blue Jay, White-breasted Nuthatch, Pine Grosbeak.) —Lester H. Dundas.

301. Excelsior, Minn. (7½-mile radius centering in Chanhassen, and including areas about Grays Bay of Lake Minnetonka, Glen Lake, Murray Hill, Lake Lucy, Minnesota River bottom, Silver Lake, Christmas Lake, and connecting roads; pasture and open fields 50%, deciduous woodland 38%, tamarack swamp 3%, cattail marsh 5%, river and creek bottoms and sloughs 3%, open water 1%. Suburban residential areas characterize about 20% of listed terrain).—Dec. 21; 9 a.m. to 4 p.m. Foggy all day; heavy hoar frost; temp. 21° to 27°; wind NE, 3-10 m.p.h.; ground covered with about 4 inches old snow; water frozen except creeks and few open spots in river. Ten observers in 4 parties. Total party-hours, 20 (7 on foot, 13 by car); total party-miles, 103 (7 on foot, 96 by car). Mallard, 9; Black Duck, 3; Sharp-shinned Hawk, 1; Ring-necked Pheasant, 75; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 21; Blue Jay, 24; Am. Crow, 1; Black-capped Chickadee, 53; White-breasted Nuthatch, 34; Brown Creeper, 8; Golden-crowned Kinglet, 5; Common Starling, 10; House Sparrow, 642; Cardinal, 14; Purple Finch, 14; Common Redpoll, 12; Am. Goldfinch, 34;

Slate-colored Junco, 18; Oregon Junco, 1; Am. Tree Sparrow, 170; Song Sparrow, 1. **Total,** 27 species; about 1170 individuals. (Seen in area Dec. 26, Am. Robin, 1.)—Mr. and Mrs. A. T. Alrick, C. A. DuBois (compiler), C. Helgeson, Mr. and Mrs. M. E. Herz, Michael Herz, G. E. Mann, Mr. and Mrs. P. D. Tryon.

302. Hastings (Dakota Co.), Minn. (Mississippi River bottomlands; open fields 50%, deciduous woods 50%, a little open water).—Dec. 21; 9 a.m. to 4 p.m. Fog and overcast; about 21°; no wind; about 4 inches of snow. Two observers in 1 party. Total party-hours, 7; total party-miles, 22 (10 on foot, 12 by car). Mallard 9; Black Duck, 1; Am. Golden-eye, 11; Am. Merganser, 16; Red-tailed Hawk, 2; Bald Eagle, 1; Ring-necked Pheasant, 1; Belted Kingfisher, 1; Hairy Woodpecker, 8; Downy Woodpecker, 1; Am. Crow, 1; Blue Jay, 7; Black-capped Chickadee, 78; White-breasted Nuthatch, 39; Brown Creeper, 1; Common Starling, 157; Golden-crowned Kinglet, 21; Rusty Blackbird, 1; House Sparrow, 500+; Cardinal, 47; Common Redpoll, 50; Slate-colored Junco, 2; Am. Tree Sparrow, 2; Song Sparrow, 2; Snow Bunting, 25. **Total,** 25 species; 984 individuals.—H. J. Paul, D. R. Struthers (compiler), (Minnesota Bird Club).

303. Minneapolis, Minn. (7½-mile radius from Camden Park to Anoka on both sides of the Mississippi River; open farmland 60%, town suburbs 20%, deciduous farm woodlots 15%, deciduous river banks and valleys 2%, marshes and sloughs 2%, sand dunes 1%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear; temp. 8° to 25°; wind SW, 10 m.p.h.; ground covered with 5 inches soft snow; practically all creeks in area had some open water, Mississippi River open in spots below Coon Creek Dam. Twenty-four observers in 8 parties. Total party-hours, 60 (20 on foot, 40 by car); total party-miles, 212½ (27½ on foot, 185 by car). **Great Blue Heron,** 1; Mallard, 17; Am. Golden-eye, 175; Am. Merganser, 21; Ruffed Grouse, 1; Ring-necked Pheasant, 133; Horned Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 10; Blue Jay, 20; Am. Crow, 20; Black-capped Chickadee, 118; **Tufted Titmouse,** 1; White-breasted Nuthatch, 24; Brown Creeper, 4; **Golden-crowned Kinglet,** 57; Common Starling, 106; House Sparrow, 350; Cardinal, 1; **Common Redpoll,** 253 (125±25, 128); Am. Goldfinch, 114; Slate-colored Junco, 61; Am. Tree Sparrow, 62; Snow Bunting, 7. **Total,** 25 species; about 1560 individuals. (Seen in area Dec. 24: Pileated Woodpecker, 1.)—Harry Anderson, Lewis Barrett, Jeremy Berman, Julian Berman, Frances Clark, Roland Cole, George Fisher, John Futcher (compiler), Burton Guttman, Mr. and Mrs. Edward Harms, Elizabeth Jerabek, Henry Jerabek, Alfreda Johnson, Mr. and Mrs. Boyd Lien, Mr. and Mrs. George Ludcke, William Nelson, William Pieper, George Rickert, Vera Sparkes, Eva Vinton, Ted Warren (Minneapolis Bird Club).

304. Minneapolis, Minn. (Theodore Wirth Park and Golf Course and adjacent area 1 mile to the west; city park and golf course 50%, town suburbs 30%, open upland 15%, lakes, marshes and creeks 5%).—Dec. 20; 9:30 a.m. to 4:30 p.m. Overcast, snow flurries in a.m.; temp. 18° to 25°; wind W, 5-12 m.p.h.; ground covered with 5 inches soft snow, including fresh fall of 1 inch; Bassett's Creek open in several places. Five observers in 2 parties. Total party-hours, 23 (17½ on foot, 5½ by car); total party-miles, 30 (20 on foot, 10 by car). Mallard, 17; Am. Coot, 1; Ring-necked Pheasant, 78; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 17; Blue Jay, 18; Am. Crow, 18; Black-capped Chickadee, 64; Tufted Titmouse, 1; White-breasted Nuthatch, 29; Brown Creeper, 6; Am. Robin, 2; Golden-crowned Kinglet, 13; Common Starling, 11; House Sparrow, 129; Cardinal, 9; Purple Finch, 1; Common Redpoll, 17; Pine Siskin, 3; Am. Goldfinch, 5; Slate-colored Junco, 46. **Total,** 22 species; 495 individuals. (Seen in area the previous week: Sparrow Hawk, 1; Horned Owl, 1.)—Jeremy Berman, Roland Cole, John Futcher (compiler), Burton Guttman, Ronald Huber (Minneapolis Bird Club).

305. Northfield, Minn. (area same as last year).—Dec. 21; 8:30 a.m. to 3:40 p.m. Cloudy, visibility poor all day; temp. 19° to 24°; wind N; ground covered with 3-6 inches crusted snow; river generally open in area surveyed. Two observers in 1 party. Total party-hours, 12 (7 on foot, 5 by car); total party-miles, 49½ (8 on foot, 41½ by car). Ring-necked Pheasant, 5; Killdeer, 2; Barred Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 2; Blue Jay, 7; Am. Crow, 10; Black-capped Chickadee, 10; White-breasted Nuthatch, 10; Brown Creeper, 1; Golden-crowned Kinglet, 12; Common Starling, 1000; House Sparrow, 6; Rusty Blackbird, 2; Cardinal, 7; Slate-colored Junco, 20; Song Sparrow, 1. **Total,** 19 species; 1108 individuals. (Seen in area Dec. 22: Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Tufted Titmouse, 1.)—Hans Anderson, Orwin A. Rustad (compiler).

306. St. Paul, Minn. (area same as last year; farm woodlots 10%, pine forest 30%, tamarack 5%, grassy, cattail, willow, alder, weedy swamps 20%, open fields 15%, spruce and cedar thickets 5%, deciduous woodland 15%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Mostly fair; temp. 4° to 18°; wind S-SE, 5-8 m.p.h.; 9-10 inches snow in the woodlands; all lakes icebound, city water canals open, open water-runs in boggy cress. Fifteen observers in 4 & 5 parties. Total party-hours, 34 (26 on foot, 8 by car); total party-miles, 90 (30 on foot, 60 by car). Am. Golden-eye, 85; Goshawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 23; Wilson's Snipe, 1; Barred Owl, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 16; Blue Jay, 22; Am. Crow, 16; Black-capped Chickadee, 80; Tufted Titmouse, 1; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 2; Brown Creeper, 5; **Winter Wren,** 1 (Brother Pius); **Golden-crowned Kinglet,** 27;

Common Starling, 300+; House Sparrow,. 300+; Red-winged Blackbird, 2; Brewer's Blackbird, 1; Cardinal, 13; Purple Finch, 15; Common Redpoll, 35; Am. Goldfinch, 67; Slate-colored Junco, 30; Am. Tree Sparrow, 6; **Song Sparrow,** 1; Snow Bunting, 1. **Total,** 31 species; 1093 individuals.—Jack Bardon, Oscar Enstrom, J. A. Hall, Caroline Larson, Larry McEvoy, Dave Merry, Thomas Meyer, W. C. Olin, Mrs. W. C. Olin, Kermit Piper, Brother Pius, A. C. Rosenwinkel, Earl Rosenwinkel, Eugene Skok, David Thurston.

307. South St. Paul, Minn. (Armour Avenue at Mississippi River; mixed deciduous-cedar woodland south of Inver Grove Bridge; Grey Cloud Island and area adjacent to backwaters of Mississippi River; Newport residential area by river; open water runs at Pig's Eye Lake; open pond at Fort Snelling and Izaak Walton Bass Ponds; deciduous woods 45%, open fields 15%, frozen marsh lands 5%, mixed deciduous and coniferous woods 10%, open river and springs 25%).—Jan. 1; 8:15 a.m. to 5 p.m. Cloudy; temp. 20° to 26°; wind SW, 7-9 m.p.h.; ground covered with 7-in. snow. Ten observers in 4 parties. Total party-hours, 17 (12 on foot, 5 by car); total party-miles, 89 (14 on foot, 75 by car). Mallard, 95; Black Duck, 30; Gadwall, 1; Am. Golden-eye, 155; Am. Merganser, 1; Ring-necked Pheasant, 4; Horned Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 14; Blue Jay, 19; Am. Crow, 10; Black-capped Chickadee, 37; White-breasted Nuthatch, 15; Brown Creeper, 3; Mockingbird, 1; Am. Robin, 1; Golden-crowned Kinglet, 6; Common Starling, 400; House Sparrow, 300; Purple Grackle (Bronzed), 11; Cardinal, 30; Purple Finch 12; Common Redpoll, 2; Am. Goldfinch, 3; Slate-colored Junco, 22; Oregon Junco, 1; Am. Tree Sparrow, 3; Song Sparrow, 1. **Total,** 31 species; 1188 individuals. (Seen at Izaak Walton Bass Ponds on Dec. 30: 1 Catbird, 1 Cooper's Hawk, 1 Rusty Blackbird—David Thurston.)—Mrs. Marjorie Allie, John Hall, Sr., R. A. Kortmann, Brother Lawrence, Caroline Larson, Brother Paul, Mr. & Mrs. J. M. Rice, A. C. Rosenwinkel, David Thurston.

308. Walker, Minn. (from Walker to points approximately 6 miles in each direction; around Walker Bay on Leech Lake, Lake May and Becker's Hilltop Sanctuary; coniferous forest 40% (Chippewa National); the remainder cut-over lands with alder, birch and poplar stands).—Dec. 28; 8:30 a.m. to 4 p.m. Cloudy; temp. 5° to 22°; wind W, 5 m.p.h.; ground covered with 4-6 inches snow; all lakes and streams frozen. Four observers in 1 party. Total party-hours, 7 (3 on foot, 4 by car); total party-miles, 50 (4 on foot, 46 by car). Ruffed Grouse, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 3; Blue Jay, 7; Black-capped Chickadee, 47; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 6; Brown Creeper, 1; Golden-crowned Kinglet, 9; Bohemian Waxwing, 10; Common Starling, 20; House Sparrow, 90; Evening Grosbeak, 18; Pine Grosbeak, 48; Common Redpoll, 84; Pine Siskin, 7; Am. Goldfinch, 4; Snow Bunting, 235. **Total,** 19 species; 615 individuals.—Mr. and Mrs. Paul Becker, Harold R. Hanson (compiler), Stanton Oman.

309. Cedar Falls, Iowa (Snag Creek, Hartman Reserve, Goose Lake, Union Bridge, Josh Higgins Park; river bottoms 50%, upland forest 25%, savannas 15%, fields 10%).—Dec. 21; 8 a.m. to 12:30 p.m., 1:30 to 4:30 p.m. Cloudy, hazy; temp. 26° to 33°; no wind; 2-in. snow on ground, rivers mostly frozen over. Five observers in 1 party. Total party-hours, 7½ (6 on foot 1½ by car); total party-miles, 60 (15 on foot, 45 by car). Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Ring-necked Pheasant, 6; Mourning Dove, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 6; Am. Crow, 75; Black-capped Chickadee, 25; Tufted Titmouse, 4; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 1; Golden-crowned Kinglet, 4; Common Starling, 45; House Sparrow, 100; Red-winged Blackbird, 1; Cardinal, 12; Purple Finch, 4; Am. Goldfinch, 4; Slate-colored Junco, 50; Am. Tree Sparrow, 50; Harris's Sparrow, 2; Song Sparrow, 5. **Total,** 29 species; 426 individuals.—Gordon Grant, Martin L. Grant (compiler), Russell Hays, Buelah Rugg, Stephen Tillet.

310. Davenport, Iowa (Oakdale Cemetery, Duck Creek Park, along creek and Middle Road to Devils' Glen, Riverdale and mouth of creek; Davenport Levee; Credit Island and 2 miles of shore area along Mississippi River; open fields 45%, wooded streams 30%, deciduous woodland 25%).—Dec. 25; 7 a.m. to 4:15 p.m. Cloudy, some light snow flurries; temp. 20° to 22°; wind WNW, 12 m.p.h., changing to 25 m.p.h. at times; ground clear; harbor and lake frozen; creeks frozen except in shallow areas; Mississippi open with a bit of shore ice. One observer. Total hours, 9¼; 13 miles (on foot). Am. Golden-eye, 8; Am. Merganser, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Bald Eagle, 1; Ring-necked Pheasant, 1; Killdeer, 2; Herring Gull, 2; Ring-billed Gull, 30; Mourning Dove, 1; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 18; Blue Jay, 24; Am. Crow, 14; Black-capped Chickadee, 34; Tufted Titmouse, 10; White-breasted Nuthatch, 15; Brown Creeper, 2; Golden-crowned Kinglet, 7; Common Starling, 197; House Sparrow, 538; Cardinal, 30; Purple Finch, 1; Am. Goldfinch, 11; Slate-colored Junco, 208; Am. Tree Sparrow, 147. **Total,** 31 species; 1321 individuals. (Noted in area Dec. 27: Mallard, 2; Bald Eagle, 3; Sparrow Hawk, 1; Bob-white, 7; Killdeer, 1; Belted Kingfisher, 1; Winter Wren, 2; Red-winged Blackbird, 9; Song Sparrow, 2.)—C. F. Mueller.

311. **Des Moines, Iowa** (same area as last year except that Idlewilde Ranch and Kinglet woods were added).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 5° to 21°; wind NW to S, 5-10 m.p.h.; 3 to 7 in. snow on ground; water frozen but some open water in Impounding Reservoir. Twenty-three observers in 6 parties. Total party-hours, 51½ (38½ on foot, 13 by car); total party-miles, 134 (33 on foot, 101 by car). Mallard, 800; Black Duck, 2; Pintail, 3; Canvas-back, 1; Lesser Scaup, 6; Ruddy Duck, 2; Am. Merganser, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 8; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 3; Ring-necked Pheasant, 1; Am. Coot, 4; Mourning Dove, 9; Screech Owl, 3; Horned Owl, 3; Long-eared Owl, 7; Short-eared Owl, 3; Saw-whet Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 28; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 1; Hairy Woodpecker, 15; Downy Woodpecker, 76; Blue Jay, 50; Am. Crow, 141; Black-capped Chickadee, 299; Tufted Titmouse, 78; White-breasted Nuthatch, 66; Red-breasted Nuthatch, 1; Brown Creeper, 18; Winter Wren, 5; Am. Robin, 12; Eastern Bluebird, 7; Golden-crowned Kinglet, 1; Cedar Waxwing, 10; Common Starling, 161; House Sparrow, 744; meadowlark (sp.), 33; Purple Grackle (Bronzed), 1; Cardinal, 178; Purple Finch, 25; Common Redpoll, 78; Am. Goldfinch, 57; Spotted Towhee, 1; Slate-colored Junco, 231; Oregon Junco, 1 (seen on ground at 10 to 15 yards —M.L.H., M.H.P.); Am. Tree Sparrow, 139; Harris's Sparrow, 2; White-crowned Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 61. **Total,** 56 species; 3434 individuals.—Dorothy Anderson, Bruce Berger, Albert C. Berkowitz, Mrs. Ruth Binsfeld, Woodward H. Brown, James Decker, Oliver Graves, Dick Hanson, Mr. & Mrs. Lester Haskell, Mrs. Schuyler S. Hunter, Edward L. Kozicky, Olivia McCabe, George McGill, Mrs. Harold Peasley, Mary Elizabeth Peck, Mrs. Tom Pettit, Bruce F. Stiles, Jerry Stiles, Floy Vest, Mary Ellen Warters, Mrs. Toni Wendelburg, Lynn Willcockson (compiler).

312. **Dubuque, Iowa** (Linwood and Mt. Calvary Cemeteries, Eagle Point Park, City Island, Mississippi River sloughs in Wisconsin; open fields 10%, coniferous woodlands 15%, deciduous woodlands 40%, river sloughs 35%).—Dec. 21; 7:30 a.m. to 4:30 p.m. Cloudy; temp. 27° to 32°; no wind; 1 in. of snow and sleet on ground; ice on trees on ridges; river open below the dam and about five acres above. Four observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 19 (9 on foot, 10 by car). Canada Goose, 28; Am. Golden-eye, 2; Am. Merganser, 25; Bob-white, 3; Short-eared Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 8; Horned Lark, 3; Blue Jay, 12; Am. Crow, 23; Black-capped Chickadee, 12; Tufted Titmouse, 5; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 9; Golden-crowned Kinglet, 23; Common Starling, 26; House Sparrow, 50; Cardinal, 3; Purple Finch, 2; Am. Goldfinch, 1; Slate-colored Junco, 18; Am. Tree Sparrow, 26. **Total,** 27 species; 303 individuals.—Clifford O. Johnson, Ival Schuster, Frieda Crossley, George E. Crossley (compiler, Dubuque Audubon Club).

313. **Iowa City, Iowa** (same as all previous years; open farmland 45%, deciduous woodland 45%, coniferous woodland 10%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 24° to 31°; wind W, 0-10 m.p.h.; 1 in. crusted snow; all water frozen except parts of river. Five observers in 1 party. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 76 (6 on foot, 70 by car). Sharp-shinned Hawk, 1; Red-tailed Hawk, 8 (including 1 Krider's); Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 5; Ring-necked Pheasant, 2; Mourning Dove, 1; Horned Owl, 1; Barred Owl, 3; Long-eared Owl, 7; Short-eared Owl, 2; Saw-whet Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 13; Blue Jay, 18; Am. Crow, 29; Black-capped Chickadee, 28; Tufted Titmouse, 12; White-breasted Nuthatch, 12; Brown Creeper, 2; Winter Wren, 2; Am. Robin, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 3; Common Starling, 200 (est.); House Sparrow, 100 (est.); Cardinal, 29; Purple Finch, 6; Pine Siskin, 11; Am. Goldfinch, 10; Slate-colored Junco, 11; Am. Tree Sparrow, 150 (est.); Harris's Sparrow, 3; Song Sparrow, 3. **Total,** 38 species (1 additional subspecies); about 698 individuals.—Thomas H. Kent (compiler), F. W. Kent, Dr. and Mrs. P. P. Laude, James Ostdiek.

314. **McGregor, Iowa** (7½-mile radius centering on NE corner Sec. 25-95-4, including part of Effigy Mounds National Monument; and parts Mississippi River, Yellow River and Sny Magill Creek bottoms; deciduous timber 20%, bottomland of weeds and brush 10%, open fields 70%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Temp. 6° to 20°; wind NE to S, 1-2 m.p.h.; ground covered 4 to 10 inches crusted snow; rivers and creeks partly open. Five observers together. Total hours, 9 (6 on foot, 3 by car); total miles, 57 (7½ on foot, 49½ by car). Red-tailed Hawk, 1; Bob-white, 12 (1 covey); Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Hairy Woodpecker, 4; Downy Woodpecker, 10; Blue Jay, 19; Am. Crow, 5; Black-capped Chickadee, 17; Tufted Titmouse, 8; White-breasted Nuthatch, 11; Common Starling, 8; House Sparrow, 125; Cardinal, 20; Slate-colored Junco, 23; Am. Tree Sparrow, 46. **Total,** 16 species; 322 individuals.—Oscar Allert, W. J. Kennedy, W. J. (Biff) Kennedy, Jr., Wilfred D. Logan, Arthur J. Palas (compiler).

315. **Mt. Vernon, Iowa** (same as last year).—Dec. 27; 8 a.m. to 12:30 and 1:30 p.m. to 4:30 p.m. Bright sun; temp. 26°; no wind; ground covered 2-4 in. snow; main channel of Cedar River not frozen. Two observers in 1 party. Total party-hours, 7½ (6 on foot, 1½ by car); total party-miles, 37 (9 on foot, 28 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Ring-necked

Pheasant, 14; Horned Owl, 1; Short-eared Owl, 3; Red-bellied Woodpecker, 6; Downy Woodpecker, 2; Blue Jay, 8; Am. Crow, 13; Black-capped Chickadee, 5; Tufted Titmouse, 2; White-breasted Nuthatch, 5; Golden-crowned Kinglet, 2; Common Starling, 17; House Sparrow, 67; Rusty Blackbird, 11 (observed at close range with 7x binocular); Cardinal, 6; Slate-colored Junco, 4; Am. Tree Sparrow, 78; Song Sparrow, 2. **Total,** 21 species; 250 individuals.—J. David Ennis, J. Harold Ennis (compiler).

316. Sioux City (Woodbury Co.), Iowa (15-mile diameter; deciduous timber, hilly woodland and park area 40%, wooded streams, wooded springs 15%, coniferous cemetery and park area 10%, marsh country 5%, open fields and open country 20%, city and suburban area 10%).—Dec. 21; 9 a.m. to 5 p.m. Cloudy with slight lowering and lifting fog; temp. 12° to 28°; wind SE, 2-5 m.p.h.; 6 in. snow on the level; no drifts from storm of Dec. 19; 6 in. of snow on ground prior to this date from blizzard of Nov. 24-25; an extremely heavy hoar frost covered everything and greatly affected bird activity. Twelve observers in 7 parties. Total party-hours, 32 (28 on foot, 4 by car); total party-miles, 79 (14 on foot, 65 by car). Red-tailed Hawk, 2; Marsh Hawk, 1; Prairie Falcon, 1 (Z.C.L.); Sparrow Hawk, 1; Ring-necked Pheasant, 11; Horned Owl, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 19; Horned Lark, 12; Blue Jay, 10; Am. Crow, 9011 (750±500, 1511); Black-capped Chickadee, 104; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 4; Brown Creeper, 4; Am. Robin, 1; Golden-crowned Kinglet, 29; Common Starling, 22; House Sparrow, 882 (800±100, 82); Western Meadowlark, 11; Red-winged Blackbird, 45; Cardinal, 28; Pine Siskin, 7; Am. Goldfinch, 10; Eastern Towhee, 1; Slate-colored Junco, 580 (500±100, 80); Am. Tree Sparrow, 380 (300±100, 80); Harris's Sparrow, 75. **Total,** 30 species; 11,281 individuals. The Red-winged Blackbirds and Harris's Sparrows were feeding in weed patches adjacent to Highway 12 north from Sioux City. There were adults and immatures in both species groups.—Mrs. W. W. Barrett, J. E. Dvorak, Robert Dvorak, Willis G. Howard, Zell C. Lee (compiler), George E. Marsh, Jeanette Lee Marsh, Bob Nickolson, L. J. Nickolson, Dr. & Mrs. John L. Schott, Carl Wellhausen.

317. Kansas City, Mo. and Kans. (7½-mile radius centering in Argentine, Kans., and including Lake Quivira, Wyandotte County Lake, Parkville, parts of Clay County, and Swope Park W. of the Blue River; deciduous woodland 38%, deciduous wooded lakes 50%, weedy fields and thickets 10%, coniferous groves 2%).—Dec. 21; 7 a.m. to 5 p.m. Cloudy; temp. 29° to 31°; wind E, 5-12 m.p.h.; lakes generally free of ice (about 1% frozen). Thirty-two observers in 7 parties. Total party-hours, 39½ (29 on foot, 10 by car, ½ by bicycle); total party-miles, 132½ (26½ on foot, 101 by car, 5 by bicycle). Mallard, 8000 (est.); Black Duck, 14; Gadwall, 97; Am. Widgeon, 12; Pintail, 3; Green-winged Teal, 2; Shoveller, 9; Redhead, 4; Canvasback, 1; Lesser Scaup, 11; Am. Golden-eye, 15; Buffle-head, 3; Ruddy Duck, 1; Hooded Merganser, 10; Am. Merganser, 2750 (est.); Red-breasted Merganser, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 7 (including 1 Krider's); Harlan's Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 31; Am. Coot, 44; Killdeer, 1; Wilson's Snipe, 3; Mourning Dove, 1; Screech Owl, 2; Horned Owl, 4; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 127; Red-bellied Woodpecker, 57; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 64; Horned Lark, 208 (200 Northern—yellow stripe over eye seen distinctly by B.K.; 8 Prairie); Blue Jay, 129; Am. Crow, 108; Black-capped Chickadee, 197; Tufted Titmouse, 118; White-breasted Nuthatch, 8; Brown Creeper, 6; Winter Wren, 5; Carolina Wren, 35; Am. Robin, 11; Eastern Bluebird, 65; Golden-crowned Kinglet, 59; Cedar Waxwing, 50 (est.); Common Starling, 304; Myrtle Warbler, 3; House Sparrow, 345; Eastern Meadowlark, 45 (est.); Western Meadowlark, 18; Red-winged Blackbird, 296; Purple Grackle (Bronzed), 33; Brown-headed Cowbird, 20; Cardinal, 147; Purple Finch, 2; Pine Siskin, 6; Am. Goldfinch, 205; Spotted Towhee, 7; Slate-colored Junco, 1160; Oregon Junco (Montana), 11; Am. Tree Sparrow, 1214; Field Sparrow, 11; Harris's Sparrow, 11; White-crowned Sparrow, 2; White-throated Sparrow, 9; Fox Sparrow, 6; Lincoln's Sparrow, 35; Swamp Sparrow, 11; Song Sparrow, 244; Lapland Longspur, 6. **Total,** 78 species (2 additional subspecies); about 16,462 individuals. (Seen in area during week: Old-squaw, 4; Long-eared Owl, 10; Short-eared Owl, 1; Saw-whet Owl, 1; Red-shafted Flicker, 1; Red-breasted Nuthatch, 2; Loggerhead Shrike, 1; Rusty Blackbird, 18; Savannah Sparrow, 55; Chestnut-collared Longspur, 38.)—Richard Dawson (compiler), Earl Waldsmith, Carter Hamilton, Gary Johnson, Mrs. Paul Johnson, Bernice Tatum, Rilla Hammat, Carrie Wilcox, Bernadine Brimhall, Virginia Williamson, Dr. Harold Burdick, Esther O'Connor, Frank Stoerman, Dr. and Mrs. Thomas Hall, Tommy Hall, Marvin Munsell, Orville Daniels, John Bishop, Marilyn Bishop, Jim Mariner, Elliott Parker, Kenneth Echternacht, Dean Cole, Elizabeth Cole, Harold Hedges, Ben King, Dr. H. E. Schoen, Donald Hall, Nathan Fay, Christine Fay, Steve Pate (Burroughs Nature Club).

318. Mt. Vernon, Mo. (7½-mile radius centered 1 mile SW of Mt. Vernon, including Spring River, Chesapeake Hatchery, Devil's Washpan, and Big Spring; lakes and farm ponds 20%, roadside [hedgerows] 25%, little blue-stem prairie 5%, oak woodland 15%, pasture and cultivated land 10%, second-growth and brushy areas 25%).—Dec. 27; 7 a.m. to 5:30 p.m. Clear; temp. 22° to 32°; wind NW, 0-5 m.p.h.; ground bare, frozen; farm ponds and unprotected water frozen, streams open. Seven observers in 1 party. Total party-hours, 10½ (7½

on foot, 3 by car); total party-miles, 82 (9 on foot, 73 by car). Great Blue Heron, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Killdeer, 8; Wilson's Snipe, 4; Mourning Dove, 45+; Belted Kingfisher, 14; Yellow-shafted Flicker, 74; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 32; Downy Woodpecker, 8; Horned Lark, 38+; Blue Jay, 53; Am. Crow, 94; chickadee (sp.), 31; Tufted Titmouse, 9; White-breasted Nuthatch, 6; Winter Wren, 4; Bewick's Wren, 3; Carolina Wren, 12; Mockingbird, 4; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 4; Water Pipit, 1; Loggerhead Shrike, 9; Common Starling, 368 (300 est., 68); Myrtle Warbler, 2; House Sparrow, 110; meadowlark (sp.), 49; blackbirds (sp.), 23; Brown-headed Cowbird, 3; Cardinal, 57; Purple Finch, 4; Am. Goldfinch, 17; Eastern Towhee, 1; Slate-colored Junco, 86+; Am. Tree Sparrow, 4; Field Sparrow, 18; Harris's Sparrow, 24; White-crowned Sparrow, 3; White-throated Sparrow, 5; Song Sparrow, 27. **Total,** 45 species; about 1260 individuals. (Seen in area Dec. 21: Red-shouldered Hawk, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Fox Sparrow, 1.)—Dr. Allen Bailly (Australia), E. R. Dowling, P. B. Dowling (compiler), Esther Gillman, Dr. Olaf Martiny (South Africa), Gilbert Maschmann, Mrs. Edith Purdom.

319. Ranken (St. Louis Co.), Mo. (tract between Valley Park and Eureka 6 miles long, 4 miles wide; deciduous woods on Ozark hillslopes 40%, open valleys bordering spring-fed creeks and Meramec River 40%, red cedar groves 8%, farmland 10%, water 2%; this area is now a Boy Scout Reservation).—Dec. 21; 8 a.m. to 5 p.m. Partly cloudy to cloudy; temp. 30° to 36°; wind SW to W, 0-2 m.p.h.; ground clear; all water open. Five observers in 2 parties. Total party-hours 17 (17 on foot, 0 by car); total party-miles, 12 (12 on foot, 0 by car). Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 25; Killdeer, 8; Mourning Dove, 5; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 5; Red-bellied Woodpecker, 13; Hairy Woodpecker, 3; Downy Woodpecker, 20; Blue Jay, 11; Am. Crow, 16; Black-capped Chickadee, 33; Tufted Titmouse, 48; White-breasted Nuthatch, 17; Brown Creeper, 2; Carolina Wren, 26; Mockingbird, 1; Am. Robin, 5; Eastern Bluebird, 11; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Cedar Waxwing, 10; Loggerhead Shrike, 1; Common Starling, 11; House Sparrow, 131; Rusty Blackbird, 51; Purple Grackle (Bronzed), 5; Cardinal, 86; Purple Finch, 21; Pine Siskin, 15; Am. Goldfinch, 32; Eastern Towhee, 1; Slate-colored Junco, 488; Am. Tree Sparrow, 26; Field Sparrow, 1; Harris's Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 19. **Total,** 41 species; 1169 individuals. (Seen in area Dec. 28: Saw-whet Owl, 1; Brown Thrasher, 1; Am. Robin, 2000; Oregon Junco, 1.)—A. J. Bennett, J. E. Comfort, J. F. Comfort, H. Lewis, J. M. Magner, E. Hath (Webster Groves Nature Study Society).

320. Weldon Springs, Mo. (4¼-mile radius, August A. Busch Wildlife Management and Experimental Area of Mo. Conservation Com.; cultivated fields 5%, weed-grown fields untilled 65%, deciduous woods with sprinkling of red cedars 10%, deciduous wood bordered Dardenne Creek 20%. Several experimental man-made lakes between fields).—Dec. 26; 7:30 a.m. to 4:30 p.m. Cloudy to clear; temp. 18° to 33°; wind WSW to W, 8-9 m.p.h.; ground frozen and covered with light snow at start, snow melted and ground soggy at finish; lake waters open. Three observers in 1 party. Total party-hours, 9 (7½ on foot, 1½ by car); total party-miles, 18¾ (9¾ on foot, 9 by car). Canada Goose, 41; Mallard, 111; Gadwall, 58; Am. Widgeon, 22; Pintail, 7; Green-winged Teal, 9; Redhead, 1; Ring-necked Duck, 1; Greater Scaup, 1; Lesser Scaup, 6; Red-tailed Hawk, 15; Marsh Hawk, 4; Sparrow Hawk, 2; Bob-white, 31; Mourning Dove, 34; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 23; Pileated Woodpecker, 3; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 28; Horned Lark, 3; Blue Jay, 8; Am. Crow, 15; Black-capped Chickadee, 19; Carolina Chickadee, 2; Tufted Titmouse, 21; White-breasted Nuthatch, 4; Carolina Wren, 6; Mockingbird, 10; Am. Robin, 1; Eastern Bluebird, 27; Golden-crowned Kinglet, 1; Loggerhead Shrike, 5; Common Starling, 8; Myrtle Warbler, 88; House Sparrow, 24; Eastern Meadowlark, 3; Red-winged Blackbird, 22; Rusty Blackbird, 5; Cardinal, 182; Purple Finch, 19; Am. Goldfinch, 62; **Green-tailed Towhee,** 1; Savannah Sparrow, 3; Sharp-tailed Sparrow (Nelson's), 1; Slate-colored Junco, 1148; Oregon Junco, 1; Am. Tree Sparrow, 987; Field Sparrow, 3; Harris's Sparrow, 14; White-crowned Sparrow, 72 (including 1 **Gambel's**); White-throated Sparrow, 1; Fox Sparrow, 1; Swamp Sparrow, 83; Song Sparrow, 35. **Total,** 59 species (1 additional subspecies); 3296 individuals. Accidental Green-tailed Towhee and casual Gambel's Sparrow seen on census as well as on various previous occasions in Nov. and Dec. by several field groups. They, as well as the unusual number of Harris's and White-crowned Sparrows, attracted and held there by multiflora rose hedges. Oregon Junco positively identified, ruling out possibility of immature slate-colored. Chickadee species separated by call notes. (Say's Phoebe seen Dec. 28 by Roger Tory Peterson and many others.)—Arthur Bennett, James Earl Comfort (compiler), James F. Comfort.

321. El Dorado, Ark. (4-mile radius centering 7 miles northeast of El Dorado on U. S. Highway 167 and including Calion Lake area; open fields and pastures 15%, brushy fields and edges 10%, deciduous woods 40%, pine woods 15%, open lake 10%, wooded lake 10%).—Dec. 26; 7 a.m. to 5:15 p.m. Thin broken clouds; temp. 27° to 53°; wind variable, 1-5 m.p.h.; ground dry. Two observers in 1 party. Total party-hours, 9½ (7 on foot, ½ by car, 2 by boat); total party-miles, 32 (12 on foot, 14 by car, 6 by boat). Pied-billed Grebe, 9; Great Blue Heron,

4; Mallard, 6; Wood Duck, 4; scaup (sp.), 4; Turkey Vulture, 5; Black Vulture, 3; Red-shouldered Hawk, 2; Sparrow Hawk, 1; Killdeer, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 10; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 6; Eastern Phoebe, 1; Blue Jay, 13; Am. Crow, 3; Carolina Chickadee, 8; Tufted Titmouse, 9; White-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 5; Carolina Wren, 7; Mockingbird, 4; Brown Thrasher, 4; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 8; Loggerhead Shrike, 1; Common Starling, 26; Myrtle Warbler, 7; Pine Warbler, 4; House Sparrow, 5; Eastern Meadowlark, 21; Red-winged Blackbird, 3; Rusty Blackbird, 112 (75±15, 37); Purple Grackle, 615 (350±50, 265); Cardinal, 34; Am. Goldfinch, 28; Eastern Towhee, 20; Slate-colored Junco, 16; Field Sparrow, 51 (28±5, 23); White-throated Sparrow, 131 (50±5, 81); Swamp Sparrow, 9; Song Sparrow, 58. **Total,** 50 species; about 1298 individuals. (Seen in area Dec. 27: Red-tailed Hawk, 1; Brown-headed Nuthatch, 4; Fox Sparrow, 3.)—Arnold J. Hoiberg and son, John A.

322. Fort Smith, Ark. (5-mile radius centering on Roger's Ave. and 20 Street, including same area as last year; upland, deciduous forest 54%, bottomland deciduous forest 7%, shrubby fields 6%, farm ponds and pastures 27%, river bank and plowed fields 3%, town lots 3%).—Dec. 22; 8 a.m. to 5 p.m. Very cloudy and blustery; temp. 36° to 46°; wind ENE, 14 m.p.h.; ground very wet from recent rains. Nine observers in 1 party. Total party-hours, 9 (8¼ on foot, ¾ by car); total party-miles, 42 (5 on foot, 37 by car). Mallard, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 1; Killdeer, 2; Mourning Dove, 6; Barred Owl, 1; Yellow-shafted Flicker, 12; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Downy Woodpecker, 11; Blue Jay, 29; Am. Crow, 544; Carolina Chickadee, 13; Tufted Titmouse, 10; White-breasted Nuthatch, 9; Bewick's Wren, 1; Carolina Wren, 10; Mockingbird, 21; Am. Robin, 91; Cedar Waxwing, 1; Common Starling, 188; House Sparrow, 100; Eastern Meadowlark, 1; Cardinal, 32; Purple Finch, 1; Am. Goldfinch, 35; Eastern Towhee, 2; **Lark Bunting,** 52 (positively identified by Bill Beall about 15 ft. through 8x40 binoculars); Slate-colored Junco, 58; Field Sparrow, 31; Harris's Sparrow, 9; White-throated Sparrow, 23; Song Sparrow, 1. **Total,** 37 species; 1311 individuals. (Seen in area Dec. 20 and 21: Herring Gull, 1; Brown Thrasher, 1; Belted Kingfisher, 1; Dec. 20: Hermit Thrush, 2.)—Bill Beall, Theron Chappell, John Paul Cook, Bill Barksdale, Tommy Miller, Mrs. T. W. Crowe, Joe Pennington, Charles Wood, Ruth Armstrong.

323. Lonoke, Ark. (U. S. Hwy. 70, 5 miles E and 7 miles W; then 5 miles N to Dr. Sherfield's reservoir; state hwy. 31, 5 miles S and 4 miles N; then 5 miles E, 1 N; deciduous woods 35%, highways and old fields and pastures 20%, rice-fields 5%, goldfish and duck ponds in rice fields 20%, 267-acre fish hatchery—1/3 of ponds drained 20%).—Dec. 20; 7 a.m. to 5 p.m. Temp. 47° to 42°; wind W, 0-15 m.p.h.; standing water in fields (2-in. rain previous night). Eight observers in 2 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 78 (18 on foot, 60 by car). Pied-billed Grebe, 4; Great Blue Heron, 9; Am. Bittern, 3; Canada Goose, 28; Mallard, 280; Black Duck, 30; Gadwall, 13; Am. Widgeon, 750; Pintail, 144; Green-winged Teal, 14; Shoveller, 332; Wood Duck, 20; Redhead, 3; Ring-necked Duck, 25; Canvas-back, 105; Lesser Scaup, 25; Buffle-head, 1; ducks (unidentified), 2000; Turkey Vulture, 23; Black Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 9; Marsh Hawk, 40; Sparrow Hawk, 8; Bob-white, 16; Am. Coot, 51; Killdeer, 314; Am. Woodcock, 1; Wilson's Snipe, 188; Least Sandpiper, 198; Mourning Dove, 59; Screech Owl, 2; Barred Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 39; Pileated Woodpecker, 2; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 23; Horned Lark, 10; Blue Jay, 52; Am. Crow, 49; Carolina Chickadee, 102; Tufted Titmouse, 37; White-breasted Nuthatch, 1; Brown Creeper, 10; Winter Wren, 13; Carolina Wren, 30; Long-billed Marsh Wren, 6; Mockingbird, 14; Brown Thrasher, 1; Hermit Thrush, 2; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 1; Water Pipit, 61; Cedar Waxwing, 4; Loggerhead Shrike, 35; Common Starling, 488; Myrtle Warbler, 4; House Sparrow, 194; Eastern Meadowlark, 163; Red-winged Blackbird, 7675 (7610 est.); Rusty Blackbird, 176; Brewer's Blackbird, 36; unidentified blackbirds, 5000 (est.); Purple Grackle, 5977 (5890 est.); Brown-headed Cowbird, 10; Cardinal, 164; Am. Goldfinch, 200; Eastern Towhee, 4; Savannah Sparrow, 145; Leconte's Sparrow, 1 (B.B.C.); Slate-colored Junco, 46; Field Sparrow, 76; Harris's Sparrow, 10 (1 flock, 2 ad. 8 imm. [B.Cs., F.C., A.S.], where single was seen Nov. 16, too late for further search); White-crowned Sparrow, 75; White-throated Sparrow, 306; Fox Sparrow, 4; Swamp Sparrow, 162; Song Sparrow, 190; Lapland Longspur, 108; Smith's Longspur, 1 (B.B.C.). **Total,** 82 species; 26,471 individuals. —Mr. and Mrs. Ben B. Coffey, Jr., Rev. Wm. Hearn, Alice Smith, R. Demett Smith, Jr., and Orval Wood III, (Memphis, Tenn.); Fred Carney (Birmingham, Ala.); Harry L. Hobson (Wichita, Kans.).

324. St. Charles, Ark. (White River National Wildlife Refuge Headquarters south over bottoms road to Demonstration Area, White Lake, Frazer Lake, Price's Lake and fields and woods on Farm Unit, returning via State highway No. 1, White River, and Big Island Chute to St. Charles; bottomland hardwoods 40%, farmland and meadow 30%, lakes and bayous 15%, coppice and abandoned fields 10%, lawns and farm sites 5%).—Dec. 23; 7:30 a.m. to 4:30 p.m. Clear; temp. 32° to 49°; wind W, 0-6 m.p.h.; ground dry; no water areas frozen. Three observers in 2 parties. Total party-hours, 18

(16 on foot, 1 by car, 1 in motorboat); total party-miles, 46 (12 on foot, 16 by car, 18 by boat). Double-crested Cormorant, 11; Great Blue Heron, 8; Canada Goose, 751 (200, 551); Mallard, 6585 (6300, 285); Black Duck, 2; Gadwall, 72; Am. Widgeon, 8; Pintail, 25; Green-winged Teal, 550 (est.); Wood Duck, 133; Ring-necked Duck, 21; Lesser Scaup, 33; Hooded Merganser, 1; Turkey Vulture, 2; Black Vulture, 4; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Golden Eagle, 1; Bald Eagle, 6; Marsh Hawk, 6; Peregrine Falcon, 1; Sparrow Hawk, 3; Bob-white, 16; Killdeer, 9; Mourning Dove, 5; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 25; Pileated Woodpecker, 4; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 56; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 54; Carolina Chickadee, 105; Tufted Titmouse, 22; White-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 5; Carolina Wren, 3; Mockingbird, 5; Brown Thrasher, 9; Am. Robin, 349 (280, 69); Eastern Bluebird, 8; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 3; Cedar Waxwing, 36; Loggerhead Shrike, 5; Common Starling, 16; House Sparrow, 9; Eastern Meadowlark, 62; Red-winged Blackbird, 4; Purple Grackle, 527 (500, 27); Brown-headed Cowbird, 27; Cardinal, 77; Am. Goldfinch, 37; Eastern Towhee, 1; Savannah Sparrow, 5; Slate-colored Junco, 143; White-throated Sparrow, 83; Fox Sparrow, 5; Song Sparrow, 6. **Total,** 64 species; about 10,014 individuals.—Peter J. Van Huizen, Darryl L. Agee, Charles E. Crowther.

325. Texarkana, Ark. (starting where Highway 71 crosses Red River 9 miles north of Texarkana, 6 miles in Arkansas; 5 miles in Texas; pasture 25%, woods 25%, small lakes 30%, low brush 10%, river banks 10%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Clear; temp. 34° to 57°; very little wind. Four observers in 1 party. Total party-hours, 40 (32 on foot, 8 by car); total party-miles, 74 (44 on foot, 30 by car). Great Blue Heron, 13; Mallard, 10; Wood Duck, 2; Turkey Vulture, 15; Black Vulture, 17; Cooper's Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 6; Bob-white, 20; Killdeer, 131; Mourning Dove, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 23; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 10; Eastern Phoebe, 1; Blue Jay, 20; Am. Crow, 104; Carolina Chickadee, 20; Tufted Titmouse, 4; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 2; Mockingbird, 8; Brown Thrasher, 1; Eastern Bluebird, 1; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 19; Common Starling, 181; Myrtle Warbler, 3; House Sparrow, 16; Eastern Meadowlark, 52; Red-winged Blackbird, 756; Purple Grackle (Bronzed), 14; Brown-headed Cowbird, 19; Cardinal, 64; Am. Goldfinch, 14; Slate-colored Junco, 35; White-crowned Sparrow, 5; White-throated Sparrow, 10; Fox Sparrow, 1; Song Sparrow, 8. **Total,** 45 species; 1653 individuals.—Forrest Campbell, Charles Gardner (compiler), Jack Logan, Lynn Rice.

326. Sabine National Wildlife Refuge, La. (same area as last year).—Dec. 28; 1:15 a.m. to 5:30 p.m. Clear; temp. 46° to 64°; wind N, 0-7 m.p.h. Eleven observers in 7 parties. Total party-hours, 72 (52 on foot, 11 by car, 9 by boat); total party-miles, 223 (40 on foot, 163 by car, 20 by boat). Common Loon, 2; Pied-billed Grebe, 21; White Pelican, 208; Brown Pelican, 147; Double-crested Cormorant, 53; Olivaceous Cormorant, 10; Great Blue Heron, 108; Am. Egret, 46; Snowy Egret, 63; Louisiana Heron, 44; Little Blue Heron, 3; Black-crowned Night Heron, 11; Am. Bittern, 4; Least Bittern, 1; White-faced Ibis, 4; White Ibis, 1; Canada Goose, 137; White-fronted Goose, 15; Snow Goose, 17,000 (est.); Blue Goose, 24,000 (est.); Mallard, 1193 (1000 est., 193); Black Duck, 5; Gadwall, 517; Am. Widgeon, 26; Pintail, 233; Green-winged Teal, 64; Shoveller, 266; Wood Duck, 3; Canvas-back, 10; scaup (sp.), 4; Am. Golden-eye, 1; Buffle-head, 1; scoter (sp.), 13; Ruddy Duck, 13; Red-breasted Merganser, 3; Turkey Vulture, 28; Black Vulture, 15; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 26; Red-shouldered Hawk, 2; Marsh Hawk, 58; Peregrine Falcon, 1; Sparrow Hawk, 26; Bob-white, 19; King Rail, 2; Clapper Rail, 11; Sora, 2; Am. Coot, 5; Piping Plover, 5; Snowy Plover, 4; Ringed Plover, 9; Wilson's Plover, 1; Killdeer, 147; Black-bellied Plover, 126; Ruddy Turnstone, 26; Am. Woodcock, 3; Wilson's Snipe, 13; Long-billed Curlew, 2; Spotted Sandpiper, 1; Willet, 98; Greater Yellow-legs, 11; **Least Sandpiper,** 111; Red-backed Sandpiper, 853; Dowitcher, 25; Semipalmated Sandpiper, 4; Western Sandpiper, 210; Sanderling, 47; Am. Avocet, 14; Herring Gull, 104; Ring-billed Gull, 419; Laughing Gull, 263; Bonaparte's Gull, 36; Gull-billed Tern, 32; **Forster's Tern,** 91; **Common Tern,** 9; Royal Tern, 71; Caspian Tern, 10; Black Skimmer, 551; Mourning Dove, 31; Ground Dove, 1; Barn Owl, 5; Screech Owl, 1; Burrowing Owl, 2; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 23; Yellow-shafted Flicker, 52; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 1; Eastern Phoebe, 17; Blue Jay, 49; Fish Crow, 31; Carolina Chickadee, 1; Brown Creeper, 4; House Wren, 30; Winter Wren, 2; Carolina Wren, 5; **Long-billed Marsh Wren,** 42; Short-billed Marsh Wren, 10; Mockingbird, 138; **Brown Thrasher,** 74; Am. Robin, 218; Hermit Thrush, 6; Blue-gray Gnatcatcher, 39; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 39; Water Pipit, 319; Sprague's Pipit, 10; Cedar Waxwing, 4; Loggerhead Shrike, 70; Common Starling, 889; Orange-crowned Warbler, 21; Myrtle Warbler, 39; **Black-throated Gray Warbler,** 2 (1 collected, H.H.J.); Pine Warbler, 1; Palm Warbler, 5; Common Yellowthroat, 37; **Black-capped Warbler,** 3; House Sparrow, 32; Eastern Meadowlark, 152; Red-winged Blackbird, 859; Brewer's Blackbird, 7; Boat-tailed Grackle, 1232; Purple Grackle, 18; Brown-headed Cowbird, 2; Cardinal, 109; **Pine Siskin,** 2; Am. Goldfinch, 47; Eastern Towhee, 4; Spotted Towhee, 8; Savannah Sparrow, 94; Sharp-tailed Sparrow, 20; **Seaside Sparrow,** 56; Vesper Sparrow,

19; Slate-colored Junco, 2; Harris's Sparrow, 1; White-crowned Sparrow, 12; White-throated Sparrow, 44; Swamp Sparrow, 66; Song Sparrow, 36. **Total,** 142 species; 52,781 individuals.—Fred J. Buchmann, C. E. Denton, Marshall B. Eyster, John P. Gee, Horace H. Jeter, William H. Julian, Robert W. Krebs, George H. Lowery, Jr. (compiler), Robert B. Moore, Marcella Newman, Robert J. Newman.

327. St. Francisville, La. (same area as in 1945). —Dec. 20; 1:30 a.m. to 5:30 p.m. Clear; temp. 45° to 60°; wind N, 0-12 m.p.h. Nine observers in 4 parties. Total party-hours, 68 (53 on foot, 15 by car); total party-miles, 164 (33 on foot, 131 by car). Common Loon, 1; Horned Grebe, 74; Pied-billed Grebe, 100; Double-crested Cormorant, 56; Great Blue Heron, 18; Am. Egret, 6; Little Blue Heron, 1; **Canada Goose,** 4; Mallard, 27; Gadwall, 80; Am. Widgeon, 21; Pintail, 150; Shoveller, 2; Wood Duck, 6; Ring-necked Duck, 60; Canvasback, 662; Lesser Scaup, 396; Am. Golden-eye, 1; Buffle-head, 41; Ruddy Duck, 3135; **Hooded Merganser,** 3; Turkey Vulture, 42; Black Vulture, 140; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 17; Bald Eagle, 4; Marsh Hawk, 3; Sparrow Hawk, 37; Bob-white, 18; King Rail, 2; Am. Coot, 1031; Killdeer, 343; Am. Woodcock, 1; Wilson's Snipe, 11; Spotted Sandpiper, 1; Least Sandpiper, 164; **Greater Yellow-legs,** 2; Semipalmated Sandpiper, 15; Western Sandpiper, 5; Herring Gull, 5; Ring-billed Gull, 47; Bonaparte's Gull, 2; Forster's Tern, 56; Mourning Dove, 73; Barn Owl, 3; Screech Owl, 2; Horned Owl, 1; **Barred Owl,** 13; Belted Kingfisher, 31; Yellow-shafted Flicker, 59; Pileated Woodpecker, 6; Red-bellied Woodpecker, 62; Red-headed Woodpecker, 50; **Yellow-bellied Sapsucker,** 25; Hairy Woodpecker, 5; Downy Woodpecker, 40; **Eastern Phoebe,** 58; Rough-winged Swallow, 1; Blue Jay, 111; Am. Crow, 753; Fish Crow, 6; Carolina Chickadee, 168; Tufted Titmouse, 83; Brown-headed Nuthatch, 8; House Wren, 16; Winter Wren, 17; Bewick's Wren, 6; Carolina Wren, 115; Long-billed Marsh Wren, 3; Mockingbird, 180; Catbird, 1; **Brown Thrasher,** 65; Am. Robin, 14; Hermit Thrush, 14; Eastern Bluebird, 71; Blue-gray Gnatcatcher, 6; **Golden-crowned Kinglet,** 168; **Ruby-crowned Kinglet,** 301; Water Pipit, 129; Cedar Waxwing, 13; Loggerhead Shrike, 94; Common Starling, 510; White-eyed Vireo, 1; Solitary Vireo, 1; **Orange-crowned Warbler,** 23; Myrtle Warbler, 790; Pine Warbler, 12; Common Yellowthroat, 15; **Yellow-breasted Chat,** 1; **Black-capped Warbler,** 5; House Sparrow, 166; Eastern Meadowlark, 223; Western Meadowlark, 5; Red-winged Blackbird, 1859; Rusty Blackbird, 255; Brewer's Blackbird, 30; Purple Grackle, 36,381 (36,000 est., 381); Brown-headed Cowbird, 42; Cardinal, 252; Purple Finch, 2; Am. Goldfinch, 57; Eastern Towhee, 76; Savannah Sparrow, 41; Vesper Sparrow, 2; Slate-colored Junco, 411; Chipping Sparrow, 31; Field Sparrow, 32; White-throated Sparrow, 1196; Fox Sparrow, 34; Lincoln's Sparrow, 1; Swamp Sparrow, 120; Song Sparrow, 60. **Total,** 114 species; 52,209 individuals.—Fred J. Buchmann, P. A. Daigre, Juanita Krebs, Robert W. Krebs, George H. Lowery, Jr. (compiler), Mary Ann Moore, Robert B. Moore, Robert J. Newman, Herbert E. Shadowen.

328. Shreveport, La. (7½-mile radius centering 3 miles southeast of Blanchard; area largely same as 1950 and 1951 but old municipal airport added and open fields near Dixie omitted; open fields and pastures 25%, brushy fields and edges 39%, deciduous woods 30%, pine woods 5%, open lake 1%).—Dec. 21; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 37° to 55°; wind ESE, 5-12 m.p.h.; ground damp. Two observers in 2 parties. Total party-hours, 21 (16 on foot, 5 by car); total party-miles, 85 (22 on foot, 63 by car). Great Blue Heron, 7; Mallard, 2; Turkey Vulture, 8; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Harlan's Hawk, 2; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 1; Killdeer, 64; Wilson's Snipe, 13; Least Sandpiper, 3; Ring-billed Gull, 1; Mourning Dove, 5; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 47; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 9; Red-cockaded Woodpecker, 4; Eastern Phoebe, 6; Blue Jay, 85; Am. Crow, 86; Carolina Chickadee, 53; Tufted Titmouse, 31; White-breasted Nuthatch, 8; Brown-headed Nuthatch, 5; Brown Creeper, 4; Winter Wren, 14; Bewick's Wren, 2; Carolina Wren, 29; Mockingbird, 27; Brown Thrasher, 22; Am. Robin, 1; Hermit Thrush, 8; Eastern Bluebird, 25; Golden-crowned Kinglet, 29; Ruby-crowned Kinglet, 22; Water Pipit, 12; Sprague's Pipit, 3; Cedar Waxwing, 6; Loggerhead Shrike, 25; Common Starling, 3500; Myrtle Warbler, 15; Pine Warbler, 7; House Sparrow, 15; Eastern Meadowlark, 107; Western Meadowlark, 1; Red-winged Blackbird, 2000; Rusty Blackbird, 35; Brewer's Blackbird, 4; Purple Grackle, 900; Brown-headed Cowbird, 2400; Cardinal, 79; **Pine Siskin,** 1; Am. Goldfinch, 37; Eastern Towhee, 10; **Spotted Towhee,** 1; Savannah Sparrow, 14; Vesper Sparrow, 5; Slate-colored Junco, 247; Chipping Sparrow, 4; Field Sparrow, 94; **Harris's Sparrow,** 3; White-throated Sparrow, 149; Fox Sparrow, 18; Swamp Sparrow, 8; Song Sparrow, 34; Lapland Longspur, 2; **Smith's Longspur,** 35. **Total,** 75 species; about 10,461 individuals. Low count and variety of water birds due to fact that a third person scheduled to cover Cross Lake in boat failed to participate.—G. D. Hamilton, H. H. Jeter (compiler),

329. Bismarck, N. Dak. (same area as 1950-51; habitat percentages similar to last year).—Dec. 28; 8:45 a.m. to 5 p.m. Clear to partly cloudy; temp. 13° to 40°; wind W, 4 m.p.h. to calm; trace of snow on ground; all water frozen except small areas in current of river. Eleven observers in 3 parties. Total party-hours, 15 (6½ on foot, 8½ by car); total party-miles, 164 (7 on foot, 157 by car). Rough-legged Hawk, 3; Bald Eagle, 1; Sharp-tailed Grouse, 5; Ring-necked Pheasant, 19; **Mourn-**

ing Dove, 2; Horned Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 5; Horned Lark, 4; Blue Jay, 3; Am. Magpie, 23; Black-capped Chickadee, 62; White-breasted Nuthatch, 3; Am. Robin, 32; Cedar Waxwing, 2; Gray Shrike, 1; Common Starling, 153; House Sparrow, 620 (est.); Common Redpoll, 68; Pine Siskin, 34; Am. Goldfinch, 5; Slate-colored Junco, 17; Am. Tree Sparrow, 82; Lapland Longspur, 4. **Total,** 25 species; about 1155 individuals. (Seen in area Dec. 26: Prairie Falcon, 1.)—R. L. Bagwell, Mr. and Mrs. Elmer Gahley, Ann Gahley, Hazel Hiemstra, Ellison Madden, Mrs. R. N. Randall, R. N. Randall (compiler), C. F. Simmons, R. E. Thomas, D. B. Vogtman.

[Mr. and Mrs. Edmund Hibbard, H. R. Morgan, Pauline Rambur, Irvin Reidman, Betty Stephens, and Mr. and Mrs. Alfred Thal made a count in this same area on Dec. 21 and recorded about 766 individuals of 23 species. They noted the following species which were not found on the above count: Snowy Owl, 1; Golden-crowned Kinglet, 1; Purple Grackle, 1; Purple Finch, 1.]

330. Des Lacs National Wildlife Refuge, Kenmare, N. Dak. (same area as 1951; open fields 50%, wooded coulees and lake shore 45%, marsh 5%).—Dec. 27; 8:30 a.m. to 5:30 p.m. Clear; temp. 14° to 24°; wind SW, 15-20 m.p.h.; ground covered with 2 in. of snow. Seven observers in 2 parties. Total party-hours, 16 (5 on foot, 11 by car & jeeps); total party-miles, 192 (20 on foot, 30 by car, 142 by jeeps). Golden Eagle, 1; Sharp-tailed Grouse, 28; Horned Owl, 1; Horned Lark, 28; Am. Magpie, 18; Black-capped Chickadee, 9; Bohemian Waxwing, 157; Common Starling, 1; House Sparrow, 316; Pine Grosbeak, 2; Common Redpoll, 179; Am. Tree Sparrow, 2; Snow Bunting, 4. **Total,** 13 species; 746 individuals. (Seen in area Dec. 24-28: Mallard, 4; Bald Eagle, 2; European Partridge, 8; Ring-necked Pheasant, 3; Snowy Owl, 1; Am. Crow, 1; Purple Grackle, 1.)—George Bodmer, Roy Carlson, Teddy Carlson, John DeTamble, Kermit Dybsetter, Robert Gross, Howard S. Huenecke (compiler).

331. Fargo, N. Dak.—Moorhead, Minn. (Red R. Valley) (7½-mile radius centering on the Red River 4½ miles north of Fargo [between Sec. 18, R. 48 W., T. 140 N. and Sec. 13, R. 49 W., T. 140 N.] including the Red River Valley from Lindenwood Park, Fargo, north to the confluence of the Red and Sheyenne Rivers, and portions of both the Sheyenne River in N. D. and the Buffalo River in Minn.; flood plain deciduous growth 51%, agricultural land and farmsteads 33%, Bur Oak woods 4%, Aspen grove 4%, coniferous shelterbelt 4%, cattail and reed slough 4%).—Dec. 20; 7:30 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 20° to 31°; wind NE to N to SW, calm to 5 m.p.h.; ground covered with 1-6 in. of snow; all water frozen except short portion of Red River [previous weather extremely mild for this region]. Three observers in 1-3 parties. Total party-hours, 13 [5½ Minn., 7½ N. Dak.] (10 on foot, 3 by car); total party-miles, 92 (9 on foot, 83 by car). Pigeon Hawk, 1 (seen in flight at Fargo at 25-30 ft. through 8x40 binoculars; no previous winter record—J.F.C.); Ring-necked Pheasant, 4; Horned Owl, 3; Hairy Woodpecker, 4; Downy Woodpecker, 9; Blue Jay, 1; Am. Magpie, 1 (J.F.C., J.C.C.); Black-capped Chickadee, 65; White-breasted Nuthatch, 30; Am. Robin, 2 (on N. Dak. side of Red River—J.F.C., P.A.J.); Golden-crowned (?) Kinglet, 1; Bohemian Waxwing, 2; Common Starling, 10; House Sparrow, 633 (135±15, 498); Western Meadowlark, 3 (along Sheyenne River in N. Dak.—J.F.C., P.A.J.); Common Redpoll, 4; Slate-colored Junco, 24. **Total,** 17 species; about 797 individuals.—J. Frank Cassel (compiler), John C. Challey, Paul A. Johnsgard, John F. Schacher (Zoology Dept., North Dakota Institute for Regional Studies, N. Dak. Agricultural College).

332. Pembina Hills, N. Dak. (an area with Walhalla on north edge of 15-mile circle and Mountain on south edge; pasture 15%, plowed land 40%, deciduous timber and brush 40%, marsh and rivers 3%, towns 2%).—Dec. 20; 8:45 a.m. to 4:45 p.m. Mostly cloudy; temp. 13° to 20°; wind S, 5 m.p.h.; ½-inch snow in timber, no snow on open land; all water frozen except an occasional spring. One observer. Total hours, 7 (3½ on foot, 3½ by car); total miles, 30 (2 on foot, 28 by car). Cooper's Hawk, 1; Rough-legged Hawk, 1; Ruffed Grouse, 1; Sharp-tailed Grouse, 8; European Partridge, 7; Hairy Woodpecker, 2; Blue Jay, 2; Am. Magpie, 13; House Sparrow, 26; Common Redpoll, 115. **Total,** 10 species; 176 individuals. (Seen in area Dec. 21: Horned Lark, 18; Snow Bunting, 25.)—Edwin O. Bry, Jr.

333. Wahpeton, N. Dak. (7½-mile radius centering 2 miles south of Main St. on U. S. Highway 81; including parts of Ottertail, Red, Bois des Sioux, and Wild Rice Rivers; roadsides and open fields 20%, mature flood plain forest 30%, flood plain succession 30%, shelterbelts and farm woodlots 10% [total 90%—Ed.]).—Dec. 27; 7:40 a.m. to 4:50 p.m. Mostly clear; temp. 6° to 21°; wind WNW, 1-5 m.p.h.; ground covered by 1 to 6 in. of snow, river frozen except near Ottertail Power Co. dam. Four observers in 1 & 2 parties. Total party-hours, 10½ (8 on foot, 2½ by car); total party-miles, 72 (30 on foot, 42 by car). Ring-necked Pheasant, 92 (30±5, 62); Horned Owl, 4; Snowy Owl, 1; Yellow-shafted Flicker, 1 (seen twice along Red River on N. Dak. side—J.F.C., J.C.C.); Hairy Woodpecker, 2; Downy Woodpecker, 9; Black-capped Chickadee, 24; White-breasted Nuthatch, 3; Brown Creeper, 2; Common Starling, 1; House Sparrow, 82 (50±10, 32); Common Redpoll, 32; Slate-colored Junco, 25±5; Am. Tree Sparrow, 52; Lapland Longspur, 82 (75±25, 7); Snow Bunting, 71 (50±20, 21). **Total,** 16 species; about 483 individuals.—J. Frank Cassel, Jack C. Challey, Paul A. Johnsgard (compiler), John C. Schacher (Zool. Dept., N. Dak. Institute for Regional Studies, N. Dak. Agricultural College).

334. Dewey, S. Dak. (7½-mile radius centering in town and including a small portion of Wyoming and the southern Black Hills; ponderosa pine 75%, short grass prairie 14%, cottonwood river bottom 11%).—Dec. 28; 7 a.m. to 5 p.m. Clear to 10 a.m. then overcast; temp. 12° to 34°; wind SW, to 10 m.p.h.; ground mostly covered with crusted snow except for an Artesian well and a spring. Three observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 115 (4 on foot, 111 by car). Rough-legged Hawk, 1; Gray Jay, 2; Am. Magpie, 43; Piñon Jay, 30; Black-capped Chickadee, 15; White-breasted Nuthatch, 2; Townsend's Solitaire, 2; House Sparrow, 6; Rusty Blackbird, 1; Evening Grosbeak, 1; Red Crossbill, 22; White-winged Junco, 75. **Total,** 12 species; 200 individuals. (Seen in area Dec. 24, Am. Robin, 4.)—Allen E. Anderson (compiler), James Soper, Walter Soper.

335. Ft. Thompson, S. Dak. (deciduous woods of Missouri River valley).—Dec. 23; 8:30 a.m. to 6 p.m. Clear to cloudy; temp. 16° to 20°; wind NW, 10 m.p.h.; ground covered with 3-in. fresh snow; 2 small creeks open and some open places in Missouri River. One observer. Total hours, 9½; total miles, 15 (on foot). Marsh Hawk, 2; Greater Prairie Chicken, 2; Sharp-tailed Grouse, 2; Wilson's Snipe, 3; Horned Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 4; Horned Lark, 1; Am. Magpie, 24; Black-capped Chickadee, 105; White-breasted Nuthatch, 1; Common Starling, 2; House Sparrow, 30; Red-winged Blackbird, 1; Rusty Blackbird, 5; Cardinal, 11; Am. Goldfinch, 20; Slate-colored Junco, 18; Am. Tree Sparrow, 475; Harris's Sparrow, 3; Song Sparrow, 1; Lapland Longspur, 60. **Total,** 22 species; 775 individuals.—Harold S. Laughlin.

336. Hot Springs, S. Dak. (7½-mile radius centering on Hot Springs; 50% mixed woodland, 40% open country, 10% town and suburbs, hills, rolling land, warm stream).—Dec. 26; 9 a.m. to 5 p.m. Cloudy to clear; temp. 20° to 35°; wind W, 8-10 m.p.h.; ground covered with 5-6 in. snow; warm stream open. One observer. Total hours, 8; total miles, 50 (by car). Mallard, 50; Sharp-shinned Hawk, 1; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 2; Turkey, 2; Belted Kingfisher, 2; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 70; Am. Magpie, 15; Piñon Jay, 15; Black-capped Chickadee, 15; White-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 3; Townsend's Solitaire, 2; Cedar Waxwing, 7; House Sparrow, 20; Evening Grosbeak, 10; Red Crossbill, 7; Slate-colored Junco, 8; Oregon Junco, 2. **Total,** 22 species; 239 individuals.—Mrs. H. R. Woodward.

337. Huron, S. Dak. (7½-mile radius centering at Dakota Ave. and 3rd Street, including alleys, streets, and yards, small woodlots of 3 to 4 square blocks within city, cemetery grounds, along the James River, highways along cultivated farmlands and shelter belts).—Dec. 27; 10:30 a.m. to 3:30 p.m. Low fog until noon, clear thereafter; temp. 20° to 25°; wind S, about 10 m.p.h.; ground covered with one half to one inch of snow; all river water frozen. Five observers in 1 party. Total party-hours, 21 (1½ on foot, 19½ by car); total party-miles, 52 (1½ on foot, 50½ by car). Marsh Hawk, 1; Ring-necked Pheasant, 6; Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Horned Lark, 25; Blue Jay, 2; Black-capped Chickadee, 3; White-breasted Nuthatch, 1; Common Starling, 20; House Sparrow, 400; Common Redpoll, 3; McCown's Longspur, 200; Lapland Longspur, 200. **Total,** 14 species; 864 individuals. (Seen Dec. 29: Pine Grosbeak, 1; Am. Crow, 2.)—Hubert Ketelle, Mrs. Hubert Ketelle, Mary Aberdeen Ketelle, Bruce Ketelle, Mrs. Grace Wright (Huron Bird Club).

338. Lacreek National Wildlife Refuge, Martin (Bennett Co.), S. Dak. (same general route as in previous years; marsh and reservoir 45%, meadow 45%, willow thickets 10%).—Dec. 21; 9 a.m. to 4 p.m. Heavy overcast; temp. 28° to 25°; wind SSW, 10 m.p.h. at start, diminishing to 2 m.p.h. by 11, turning NW and increasing to 15 m.p.h., 3-4 p.m.; about 3-in. fresh snow, pools frozen over but channels open below spillways. One observer. Total hours, 7 (1½ on foot, 5½ by car); total miles, 26½ (1½ on foot, 25 by car). Mallard, 6727 (6500±500, 227); Am. Golden-eye, 50; Am. Merganser, 11; Rough-legged Hawk, 9; Golden Eagle, 4; Bald Eagle, 2; Prairie Falcon, 2; Sharp-tailed Grouse, 10; Ring-necked Pheasant, 528; Horned Owl, 2; Downy Woodpecker, 4; Am. Magpie, 1; Am. Crow, 13; Black-capped Chickadee, 3; Am. Tree Sparrow, 226 (200 est., 26); Lapland Longspur, 82 (50 est., 32). **Total,** 16 species; about 7674 individuals. Overcast and dusky weather on census date limited count somewhat as several additional species were observed the previous week.—Kenneth Krumm.

339. Madison, S. Dak. (7½-mile radius centering on Center and Egan Avenues and including Lakes Madison, Herman, Long and several small sloughs; plowed fields 70%, pasture 20%, wild slough grass 5%, town suburb 5%).—Dec. 21; 8 a.m. to 4:30 p.m. Cloudy with light fog; temp. 11° to 40°; wind NW, 10 m.p.h.; light snow not covering ground but a heavy frost over all trees and other vegetation; all lakes and sloughs frozen. Twenty observers in 11 parties. Total party-hours, 15 (3 on foot, 12 by car); total party-miles, 184 (6 on foot, 178 by car). Cooper's Hawk, 1; Rough-legged Hawk, 1; Ring-necked Pheasant, 176; Horned Owl, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 202; Blue Jay, 10; Am. Crow, 16; Black-capped Chickadee, 16; White-breasted Nuthatch, 14; Brown Creeper, 1; Common Starling, 126; House Sparrow, 303; Western Meadowlark, 1; Red-winged Blackbird, 1; Am. Goldfinch, 1; Slate-colored Junco, 14; Am. Tree Sparrow, 184; Harris's Sparrow, 20; Lapland Longspur, 70. **Total,** 22 species; 1174 individuals.—Mr. and Mrs. Wesley Beardsley, Dr. and Mrs. D. S. Baughman, Mr. and Mrs. L. A. Campbell, Mrs. Ethel Doblar, Ruth Habeger (compiler), Harold

Hammerstein, Mrs. Lyn Hartgrove, Mrs. Agnes Holdridge, Mr. and Mrs. George Hunter, Mr. and Mrs. Harold Piper, George Regan, Jr., Dr. W. A. Rothschild, Mr. and Mrs. Frank Waters, Kathleen Walsh.

340. Pierre, S. Dak. (7½-mile radius centering on State Capitol grounds, and including mouth of Bad River and Farm Island; timbered river bottom 45%, river breaks 35%, cropland 10%, town suburbs 8%, lake 2%).—Dec. 26; 9 a.m. to 5 p.m. Clear; temp. 15° to 25°; no wind; ground covered with 4-in. snow; all water frozen except Capitol Lake and small areas in Missouri River. Three observers in 3 parties. Total party-hours, 24 (23 on foot, 1 by car); total party-miles, 50 (30 on foot, 20 by car). White-fronted Goose, 1; Canada Goose, 80; Mallard, 300 (est.); Wood Duck, 2; Am. Golden-eye, 43; Am. Merganser, 2; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 1; Greater Prairie Chicken, 3; Sharp-tailed Grouse, 330; Ring-necked Pheasant, 12; Horned Owl, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 30; Am. Magpie, 40; Black-capped Chickadee, 91; White-breasted Nuthatch, 1; Am. Robin, 10; Golden-crowned Kinglet, 4; Gray Shrike, 1; Common Starling, 18; House Sparrow, 200 (est.); Western Meadowlark, 22; Brown-headed Cowbird, 1; Cardinal, 3; Common Redpoll, 10; Am. Goldfinch, 9; Slate-colored Junco, 26; Am. Tree Sparrow, 223; Song Sparrow, 6. **Total,** 34 species; 1483 individuals. —John W. Leete, Donald H. Reese, James T. Shields.

341. Sioux Falls, S. Dak. (7½-mile radius centering on 9th Street and Phillips Avenue, and including Parks, Ditch Road and Big Sioux River area; deciduous wooded valley 75%, brushy drainage ditch and adjacent highways 15%, town and parks 5%, farm land 5%).—Dec. 21; 9 a.m. to 4:30 p.m. Cloudy, frost on trees; temp. 28° to 30°; wind S, 4-5 m.p.h.; ground covered with about 1 inch of snow; all fresh water frozen except part of Big Sioux River. Eighteen observers in 11 parties. Total party-hours, 50 (15 on foot, 35 by car); total party-miles, 118 (18 on foot, 100 by car). Mallard, 17; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 2; Ring-necked Pheasant, 146; Mourning Dove, 55; Barn Owl, 1; Horned Owl, 10; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-shafted Flicker, 1; Hairy Woodpecker, 32; Downy Woodpecker, 83; Horned Lark, 10; Blue Jay, 35; Am. Magpie, 1; Am. Crow, 33; Black-capped Chickadee, 406; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 11; Brown Creeper, 10; Golden-crowned Kinglet, 30; Cedar Waxwing, 5; Common Starling, 74; Cardinal, 32; Purple Finch, 6; Pine Siskin, 10; Am. Goldfinch, 32; Slate-colored Junco, 387; Am. Tree Sparrow, 352; Harris's Sparrow, 9; Snow Bunting, 6. **Total,** 34 species; 1857 individuals.—Mr. & Mrs. W. A. Behringer, Mr. & Mrs. H. F. Chapman, Mrs. Bertha Cox, Mr. and Mrs. E. W. Elmen, Mr. & Mrs. J. S. Findley, Josephine Frasier, George Goebel, Bill Goebel, Charles Rogge, Aaron Schaefer, Homer Thurston, Melvin Wheeler, Mr. & Mrs. Mark Wilson.

342. Spearfish, S. Dak. (mouth of Spearfish Canyon and U. S. Fish & Wildlife Service Fish Culture Station, Spearfish, 12 miles apart; open rangeland 50%, oak-pine forest in open stands 40%, cattail marsh 5%, town suburbs 5%).—Dec. 28; 9:30 a.m. to 3:30 p.m. Cloudy; temp. 32° to 35°; wind WNW, 5-12 m.p.h.; ground covered with 1 to 3 inches of crusted snow with occasional bare spots; some ice on still water, all running water open. Two observers in 1 party. Total party-hours, 7½ (7 on foot, ½ by car); total party-miles, 12 (10 on foot, 2 by car). Mallard, 1500±; Pintail, 3; Am. Golden-eye, 20; Rough-legged Hawk, 2; Ring-necked Pheasant, 12; Wilson's Snipe, 1; Horned Owl, 2; Blue Jay, 15; Am. Magpie, 3; Black-capped Chickadee, 25; Gray Shrike, 1; House Sparrow, 75; Pine Siskin, 5; Am. Goldfinch, 30; Red Crossbill, 18; Slate-colored Junco, 6. **Total,** 16 species; about 1718 individuals. (Seen in area Dec. 21, White-winged Junco, Oregon Junco, Common Starling; Dec. 27, Golden Eagle; Dec. 28, Downy Woodpecker, Belted Kingfisher.)—Harvey Willoughby, Cecil P. Haight (compiler).

343. Springfield, S. Dak. (around town, prairies west, down into Missouri River bottom below bluffs, to Seven Springs; mostly trees, shrubs and weed patches.)—Dec. 22; 8 a.m. to 4:30 p.m. Partly cloudy with snow flurries; temp. 24° to 32°; wind N, 8 m.p.h.; ground covered with 8-in. snow. Nine observers in 2 parties. Total party-hours, 17 (15 on foot, 2 by car); total party-miles, 28 (12 on foot, 16 by car). Golden Eagle, 1; Rough-legged Hawk, 4; Ring-necked Pheasant, 10; Yellow-shafted Flicker, 4; Hairy Woodpecker, 6; Blue Jay, 4; Am. Crow, 25; Black-capped Chickadee, 50; White-breasted Nuthatch, 9; Brown Creeper, 1; Common Starling, 102; House Sparrow, 100; Cardinal, 3; Am. Goldfinch, 20; Red-eyed Towhee, 1; Slate-colored Junco, 16; Am. Tree Sparrow, 20. **Total,** 17 species; 376 individuals.—M. E. Burgi, W. W. Ludeman, and 7 Boy Scouts.

344. Waubay National Wildlife Refuge, Waubay, S. Dak.—Dec. 20; 8:30 a.m. to 5 p.m. Overcast; temp. 15°; calm. Two observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 9 (4 on foot, 5 by car). Canada Goose, 120; Mallard, 59; Black Duck, 1; Pintail, 2; Rough-legged Hawk, 1; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 3; Barred Owl, 1; Hairy Woodpecker, 8; Downy Woodpecker, 2; Am. Magpie, 1; Black-capped Chickadee, 152. **Total,** 12 species; 351 individuals.—Lloyd H. Mangus, E. J. Fromelt.

345. Beatrice, Nebr. (same as last year).—Dec. 28; 8 a.m. to 4 p.m. Clear; temp. 5° to 28°; wind SE, 3-10 m.p.h.; 8-in. snow; all ground and water frozen. Six observers in 4 parties. Total party-hours, 30 (5 on foot, 25 by car); total party-miles, 70 (10 on foot, 60 by car). Marsh Hawk, 4; Ring-

necked Pheasant, 1; Horned Owl, 1; Yellow-shafted Flicker, 2; Red-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 50; Blue Jay, 5; Am. Crow, 83; Black-capped Chickadee, 20; White-breasted Nuthatch, 4; Brown Creeper, 2; Ruby-crowned Kinglet, 2; Common Starling, 140; House Sparrow, 369; Western Meadowlark, 210; Purple Grackle, 25; Cardinal, 12; Am. Goldfinch, 2; Eastern Towhee, 3; Savannah Sparrow, 2; Slate-colored Junco, 44; Am. Tree Sparrow, 6; Harris's Sparrow, 50; Song Sparrow, 15. **Total,** 27 species; 1066 individuals.—Vera Anderson, Mary Sturmer, John Ramming, Mrs. Paul Baier, Paul Baier, Mrs. Clarence Schultz.

346. Crete, Nebr. (same as 1948 and subsequent years).—Dec. 28; 8 a.m. to 5 p.m. Clear; temp. 15° to 27°; wind NE, 5-10 m.p.h.; ground covered with 9-in. snow; all ponds frozen, Big Blue River not frozen. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 50 (10 on foot, 40 by car). Red-tailed Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 4; Yellow-shafted Flicker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 22; Blue Jay, 4; Am. Crow, 42; Black-capped Chickadee, 41; Common Starling, 240; House Sparrow, 99; Western Meadowlark, 12; Cardinal, 6; Am. Goldfinch, 25; Slate-colored Junco, 117; Am. Tree Sparrow, 95; Harris's Sparrow, 12; Song Sparrow, 1. **Total,** 20 species; 736 individuals.—J. L. C. Rapp, W. F. Rapp, Jr. (compiler).

347. Grand Island, Nebr. (7½-mile radius from center of Grand Island, south to the Platte River and Wood River, east to the Central Power Plant on the Platte River, north to the old Army Air Base and valley farmland beyond, and west to the cemetery and along Wood River toward Alda; deciduous area 40%, pine and deciduous area 5%, open fields, weed patches, and hedgerows 55%).—Dec. 28; 9 a.m. to 5 p.m. Clear; temp. 15° to 36°; wind WSW, 6-10 m.p.h ; ground covered with 8 to 10 in. fluffy snow; all water frozen except occasional open areas along Platte River and Wood River. Seven observers in 2 parties. Total party-hours, 16 (6 on foot, 10 by car); total party-miles, 130 (8 on foot, 122 by car). Rough-legged Hawk, 10; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 53; Mourning Dove, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 376; Am. Crow, 40; Black-capped Chickadee, 27; White-breasted Nuthatch, 3; Brown Creeper, 5; Am. Robin, 27; Cedar Waxwing, 77; Common Starling, 126; House Sparrow, 270; Western Meadowlark, 194; Brown-headed Cowbird, 4; Cardinal, 4; Pine Siskin, 11; Am. Goldfinch, 71; Eastern Towhee, 1; Slate-colored Junco, 90; Am. Tree Sparrow, 343; Harris's Sparrow, 5; Song Sparrow, 3; Lapland Longspur, 3. **Total,** 30 species; 1755 individuals.—Ethel M. Houser, Jaret Jones, G. K. Larson (compiler), Margarite Rosswick, Arthur Stone, Floyd Urback, Carl Wiuff, Jr. (Jones, Urback and Wiuff are Eagle Scouts; each has bird study merit badge).

348. Hastings, Nebr. (same area as last year).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 0° to 22°; wind SW, light; ground covered with 12 in. crusted snow; all fresh water frozen except parts of the Little Blue River. Seven observers in 3 parties. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 33 (8 on foot, 25 by car). Mallard, 5; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 19; Red-backed Sandpiper, 1; Horned Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 150; Am. Crow, 6; Black-capped Chickadee, 57; White-breasted Nuthatch, 4; Brown Creeper, 2; Am. Robin, 275; Sprague's Pipit, 1 (along road east of Ingleside; buffy stripes on back, light streakings on upper breast, white outer tail feathers, thin wiry note; followed at a distance of 3 to 5 feet along the roadside—V.M., G.H.); Common Starling, 40; House Sparrow, 100; Western Meadowlark, 100; Cardinal, 8; Am. Goldfinch, 27; Spotted Towhee, 4; Slate-colored Junco, 56; Am. Tree Sparrow, 200; Harris's Sparrow, 1; White-crowned Sparrow, 2; Song Sparrow, 1. **Total,** 29 species; 1089 individuals.—Mr. and Mrs. A. M. Jones, Vera Maunder, Geraldine Heartwell, W. E. Eigsti, David Eigsti, Mrs. C. E. Ruch.

349. Lincoln (City Parks), Nebr. (same area as last year except Ag. College Campus added).—Dec. 21; 8 a.m. to 5 p.m. Overcast and foggy all day; temp. 23° to 27°; wind N to E, 3-7 m.p.h.; ground covered with 1-in. crusted snow; drifts 1 to 2 feet deep in protected areas; creeks frozen except fast running water. Eight observers in 3 parties. Total party-hours, 14 (12 on foot, 2 by car); total party-miles, 30 (10 on foot, 20 by car). Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 13; Horned Owl, 2; Long-eared Owl, 7; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 22; Blue Jay, 16; Am. Crow, 111; Black-capped Chickadee, 142; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 11; Brown Creeper, 8; Am. Robin, 80; Golden-crowned Kinglet, 54; Cedar Waxwing, 15; Common Starling, 86; House Sparrow, 424; meadowlark (sp.), 8; Purple Grackle (Bronzed), 1; Cardinal, 41; Purple Finch, 1; Pine Siskin, 60; Am. Goldfinch, 140; Eastern Towhee, 10; Slate-colored Junco, 221; Am. Tree Sparrow, 85; Harris's Sparrow, 6; White-crowned Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 63. **Total,** 34 species; 1669 individuals.—Mrs. W. A. Fleming, Mrs. W. P. Irwin, Tom McGrath, L. M. Moos (compiler), C. G. Pritchard, Bob Sandstedt, Harold Whitmus, Mrs. Harold Whitmus (Audubon Naturalists' Club and University Place Bird Club).

350. Nebraska National Forest (Thomas Co.), Nebr. (same area as last year).—Dec. 25; 8 a.m. to 4 p.m. Partly cloudy; temp. -2° to 32°; wind NW, 3-6 m.p.h.; ground covered with 5-in. snow. One

observer. Total hours, 8; total miles, 8 (on foot). Goshawk, 1 [no details—Ed.]; Rough-legged Hawk, 1; Sharp-tailed Grouse, 5; Bob-white, 5; Ring-necked Pheasant, 1; Hairy Woodpecker, 1; Am. Magpie, 5; Am. Crow, 16; Black-capped Chickadee, 5; Red-breasted Nuthatch, 2; Brown Creeper, 1; Townsend's Solitaire, 5; Golden-crowned Kinglet, 1; Cardinal, 4; Pine Siskin, 5; Am. Goldfinch, 16; Slate-colored Junco, 12; Am. Tree Sparrow, 10; Song Sparrow, 1. **Total,** 19 species; 97 individuals.—Carl E. Smith.

351. Omaha, Nebr. (area same as last year exclusive of Elmwood and Riverview Parks and suburb of Irvington and Forest Lawn Cemetery, and in addition suburb of Florence, was covered; virgin deciduous timber and river bottoms 50%, lake and open farm land 40%, urban and suburban Omaha 10%).—Dec. 27; 8:30 a.m. to 5 p.m. Overcast, fine snow falling; temp. 7° to 24°; wind S, 12-15 m.p.h.; ground covered with 4-in. crusted snow, trees sheathed in ice, Lake Manawa frozen over and Mo. River filled with slush ice. Ten observers in 5 parties. Total party-hours, 20 (18½ on foot, 1½ by car); total party-miles, 19 (13 on foot, 6 by car). Merganser (sp.), 7; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 12; Ring-necked Pheasant, 3; Screech Owl, 1; Horned Owl, 2; Yellow-shafted Flicker, 29; Red-bellied Woodpecker, 14; Hairy Woodpecker, 3; Downy Woodpecker, 42; Horned Lark, 7; Blue Jay, 4; Am. Crow, 52; Black-capped Chickadee, 155; Tufted Titmouse, 8; White-breasted Nuthatch, 29; Red-breasted Nuthatch, 2; Brown Creeper, 7; Am. Robin, 31; Eastern Bluebird, 8; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Common Starling, 27; House Sparrow, 106; meadowlark (sp.), 30; Cardinal, 44; Pine Siskin, 1; Am. Goldfinch, 43; Slate-colored Junco, 114; Am. Tree Sparrow, 85; White-throated Sparrow, 6; Song Sparrow, 8. **Total,** 36 species; 899 individuals. (Present in area Dec. 20-25: Am. and Red-breasted Mergansers, Pintails, Mallards, Am. Golden-eyes.)—R. G. Cortelyou, Mary Ellsworth, Wm. Ferguson, Mary Ferguson, L. O. Horsky, R. Allyn Moser, J. Smith, O. L. Stoltenberg, T. Troyer, J. T. Armstrong, Jr. (compiler).

352. Scottsbluff, Nebr. (Riverside Park, Gering, southeast to Brashear Ranch, northeast of Scottsbluff to Lake Alice and Lake Minatre; pasture 15%, roadside 30%, lakes 15%, river 10%, deciduous woodland 20%, cedar grove 5%, town suburbs 5%).—Dec. 27; 8 a.m. to 4:30 p.m. Clear; temp. 12° to 45°; wind WNW, 5-10 m.p.h.; snow in hills, ponds and lakes frozen. Nine observers in 4 parties. Total party-hours, 34 (5 on foot, 29 by car); total party-miles, 74 (4 on foot, 70 by car). Mallard, 1; Golden Eagle, 1; Marsh Hawk, 2; Bob-white, 13; Ring-necked Pheasant, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-shafted Flicker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 5; Horned Lark, 114; Am. Magpie, 38; Am. Crow, 1; Black-capped Chickadee, 67; Brown Creeper, 2; Am. Robin, 4; Townsend's Solitaire, 7; Golden-crowned Kinglet, 2; Common Starling, 213; House Sparrow, 296; Western Meadowlark, 22; Red-winged Blackbird, 127; Am. Goldfinch, 16; Slate-colored Junco, 13; Am. Tree Sparrow, 60. **Total,** 26 species; 1018 individuals.—Mr. & Mrs. J. W. Brashear, Mrs. Carl Franzen, Mr. & Mrs. Larry Johnson, Mrs. Guy I. Lovell, Mrs. Clarence Pfeiffer, Mrs. John Robb, Mrs. R. J. Witschy (Nature Lovers Club).

353. Valentine Nat'l Wildlife Refuge, Valentine, Nebr. (5½-mile radius centering on School Lake, Valentine Refuge; count started at hdq. on Hackberry Lake to east end of refuge via Dewey and Willow Lakes, entire west side of Marsh Lakes, Pony Lake area, west along Calf Camp Marsh, N side of Pelican Lake, Duck Lake, and return hdq.; range land 85%, marsh and water 13%, willow brush 1%, deciduous woodlots 1%).—Dec. 24; 8 a.m. to 4:30 p.m. Slightly overcast, mild; temp. 20° to 30°; wind NW, 5-10 m.p.h.; all lakes frozen, except 20 acres open water on Pelican Lake, ground 2-4 inches light crusted snow. One observer. Total hours, 8 (2 on foot, 6 by car); total miles, 43 (3 on foot, 40 by car). Am. Golden-eye, 10; Rough-legged Hawk, 5; Golden Eagle, 1; Marsh Hawk, 1; Sharp-tailed Grouse, 395; Ring-necked Pheasant, 62; Am. Coot, 5; Horned Owl, 4; Downy Woodpecker, 1; Horned Lark, 55; Am. Magpie, 4; Am. Crow, 1; Black-capped Chickadee, 3; Am. Robin, 1; House Sparrow, 15; Am. Tree Sparrow, 410; Lapland Longspur, 300. **Total,** 17 species; 1273 individuals.—George L. Wiseman (Refuge Manager).

354. Baldwin, Kans. (7½-mile radius centering 2 miles north of junction of U. S. Highways 50 and 59, and including Lone Star Lake, Sand Pits, and Craig's cedarwoods; open farm land 35%, town and suburbs 15%, wooded creeks and wasteland 25%, coniferous farm woodlot 20%, lake shore 5%).—Dec. 21; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 31° to 33°; wind N, 10 m.p.h.; creeks partly frozen, Lone Star Lake open. Eleven observers in 4 parties. Total party-hours, 31 (16 on foot, 15 by car); total party-miles, 178 (13 on foot, 165 by car). Mallard, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 14; **Harlan's Hawk,** 5; Rough-legged Hawk, 4; Marsh Hawk, 10; Sparrow Hawk, 11; Mourning Dove, 31; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 32; Red-shafted Flicker, 1; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 40; **Horned Lark,** 169; Blue Jay, 49; Am. Crow, 395; Black-capped Chickadee, 116; Tufted Titmouse, 43; White-breasted Nuthatch, 5; Brown Creeper, 1; Winter Wren, 3; **Carolina Wren,** 20; Mockingbird, 5; Am. Robin, 207; Eastern Bluebird, 24; Golden-crowned Kinglet, 4; Cedar Waxwing, 232; Loggerhead Shrike, 5; Common Starling, 417; House Sparrow, 698; meadowlark (sp.), 117; **Cardinal,** 188; Purple Finch, 26; **Am. Goldfinch,** 339; **Eastern Towhee,** 1; Spotted Towhee, 13; Slate-colored Junco, 865; **Am. Tree Sparrow,** 2232; Field Sparrow, 12;

Harris's Sparrow, 347; White-crowned Sparrow, 72; **Lincoln's Sparrow,** 1; Song Sparrow, 48. **Total,** 51 species; 6849 individuals. (Seen in area during count period: Purple Grackle, 1.)—Clara Beach, Amelia Betts, Mrs. Geo. Boicourt, Arthur Bridwell, Mr. and Mrs. Ivan L. Boyd, Mr. and Mrs. T. A. Evans, Katharine Kelley, Mrs. Francis McKaughan, R. F. Miller (Baldwin Bird Club).

355. Goddard, Kans. (area south of town, from State Highway 42 west to Lake Afton and north to Goddard; plowed fields 40%, stubble 35%, grassland 10%, woodland [mostly deciduous] 10%, scrub 5%).—Dec. 26; 8:30 a.m. to 5 p.m. Fog and overcast sky, clearing in afternoon; temp. 19° to 27°; wind S, 0-5 m.p.h.; ground lightly covered with snow, somewhat melting in afternoon; lake frozen over except for small area in middle. One observer. Total hours, 8½ (8 on foot, ½ by car); total miles, 27 (11 on foot, 16 by car). Mallard, 280; Lesser Scaup, 10; Buffle-head, 1; Am. Merganser, 6; Rough-legged Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 2; Hairy Woodpecker 2; Downy Woodpecker, 1; Horned Lark, 43 (some Prairie or other pale-faced race, at least 2 Northern); Am. Crow, 178; Black-capped Chickadee, 2; Am. Robin, 1; Common Starling, 15; House Sparrow, 47; meadowlark (sp.), 26; Red-winged Blackbird, 1; Cardinal, 2; Slate-colored Junco, 3; Oregon Junco, 1; Am. Tree Sparrow, 214; Clay-colored Sparrow, 1; Field Sparrow, 3; Harris's Sparrow, 11; White-throated Sparrow, 1; Song Sparrow, 14; Lapland Longspur, 210; Smith's Longspur, 105 (readily distinguished from Lapland Longspurs by rich warm-buff underparts). **Total,** 28 species (1 additional subspecies); 1182 individuals.—Edward Beals.

356. Halstead, Kans. (7½-mile radius centered 3 miles NW of Halstead and including portions of Emma and Blackkettle Creeks and Little Arkansas River, and corner of Harvey Co. Park; wooded creeks and river 48%, hedgerows 11%, open farmland 36%, weedy slough 3%, town 1%, cemetery 1%).—Dec. 27; 7:55 a.m. to 5:30 p.m. Crystal clear; temp. 10° to 26°; wind N, veering at noon to S, 3-5 m.p.h.; ground covered with 3-4 in. crusted snow; all growth heavily iced; creeks and river partly iced. Five observers mostly in 2 parties, 1 at feeder part time. Total party-hours, 13¼ (10½ on foot, 2¾ by car); total party-miles, 38 (6 on foot, 32 by car). Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Rough-legged Hawk, 3; unidentified buteos, 7; Marsh Hawk, 7; Sparrow Hawk, 7; Ring-necked Pheasant, 11; Mourning Dove, 2; Horned Owl, 3; Short-eared Owl, 2; Belted Kingfisher, 1; flicker (sp.), 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 17; Am. Crow, 703; Black-capped Chickadee, 41; Tufted Titmouse, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 1; Loggerhead Shrike, 1; Common Starling, 116; House Sparrow, 57; meadowlark (sp.), 84; Cardinal, 33; Am. Goldfinch, 38; Spotted Towhee, 1; Slate-colored Junco, 52; Oregon Junco, 2; Am. Tree Sparrow, 530; Harris's Sparrow, 363; Song Sparrow, 16. **Total,** 33 species; about 2123 individuals. (250 Horned Larks seen Dec. 22 & 23; about that number in another part of area by second observer; Jan. 4 & 5, 1500-2000 Horned Larks; Townsend's Solitaire sighted on only 4 days in mid-Dec.)—Joan Challans, Marie Dettweiler, Ruth Rose, Alma Ruth, Edna Ruth.

357. Hays, Kans. (College Campus and Farm along wooded stream; Big Creek; cedar bluffs along wooded Saline River and including farmland).—Dec. 27; 7 a.m. to 6 p.m. Temp. 4° to 23°; wind N, very slight m.p.h.; ground covered with 5-in. snow on the level; few bare spots. Five observers in 1 party. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 35 (5 on foot, 30 by car). Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 15; Ring-necked Pheasant, 56; Screech Owl, 1; Horned Owl, 2; unidentified owl, 1; Short-eared Owl, 2; Red-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 27; Am. Crow, 16; Black-capped Chickadee, 12; Brown Creeper, 1; Am. Robin, 12; Townsend's Solitaire, 1; Common Starling, 500; House Sparrow, 80; Western Meadowlark, 105; Cardinal, 2; Slate-colored Junco, 3; Field Sparrow, 12; White-crowned Sparrow, 1; Fox Sparrow, 1. **Total,** 26 species; 863 individuals.—Philip Lin, Edwin Martin, John Miller, T. W. Wells, L. D. Wooster (compiler).

358. Lawrence, Kans. (same area as last year; deciduous woodlots 50%, pastures 25%, weed areas 10%, waterfront 15%).—Dec. 21; 7:30 a.m. to 5 p.m. Cloudy; temp. 30° to 32°; wind S, 2-4 m.p.h.; ground clear, water open. Ten observers in 4 parties. Total party-hours, 32 (16 on foot, 16 by car); total party-miles, 185 (22 on foot, 163 by car). Mallard, 1; Gadwall, 1; Red-tailed Hawk, 35; Harlan's Hawk, 3; Marsh Hawk, 20; Prairie Falcon, 1; Sparrow Hawk, 16; Bob-white, 14; Mourning Dove, 9; Barn Owl, 3; Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 29; Red-bellied Woodpecker, 34; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 56; Horned Lark, 70; Blue Jay, 72; Am. Crow, 613; Black-capped Chickadee, 221; Tufted Titmouse, 56; Red-breasted Nuthatch, 1; Brown Creeper, 3; Carolina Wren, 12; Mockingbird, 1; Am. Robin, 303; Eastern Bluebird, 74; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 1; Cedar Waxwing, 15; Loggerhead Shrike, 4; Common Starling, 254; House Sparrow, 512; meadowlark (sp.), 380; Red-winged Blackbird, 18; Cardinal, 248; Pine Siskin, 6; Am. Goldfinch, 403; Spotted Towhee, 14; Leconte's Sparrow, 2; Slate-colored Junco, 657; Oregon Junco, 1 (collected—H.B.T.); Am. Tree Sparrow, 1598 (est.); Field Sparrow, 3; Harris's Sparrow, 260; White-crowned Sparrow, 101; White-throated Sparrow, 4; Lincoln's Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 153; Lapland Longspur, 7. **Total,** 53 species; about 6327 individuals.—Bert S. Chewning (compiler), Helen M. Chewning, James S. Findley, Henry S. Fitch, Richard W. Fredrickson, Milton C. Moore, Dwight Platt, Paul J. Spangler, William B. Stallcup, Harrison B. Tordoff.

359. Linn County, Kans. (7½-mile radius centered 1 mile east and 3½ miles north of Mound City, including Boicourt Lake in NE, Marais des Cygnes River along E, wooded hills in SW and prairies and Sugar valleys between; deciduous woodland and along streams 52%, open fields and fencerows 40%, suburban 8%).—Dec. 28; 6:30 a.m. to 5 p.m. Clear; temp. 14° to 45°; wind SW, 12 m.p.h.; hoar frost until 11; lakes dry or frozen, streams mostly frozen, ground frozen with some snow. Seven observers in 4 parties. Total party-hours, 47 (32 on foot, 15 by car); total party-miles, 124 (26 on foot, 98 by car). Red-tailed Hawk, 30 (including 1 Krider's); Harlan's Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 16; Sparrow Hawk, 3; Bob-white, 9; Mourning Dove, 38; Screech Owl, 1; Horned Owl, 8; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 38; Pileated Woodpecker, 2; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 34; Hairy Woodpecker, 4; Downy Woodpecker, 18; Horned Lark, 19; Blue Jay, 28; Am. Crow, 96; Black-capped Chickadee, 46; Tufted Titmouse, 28; White-breasted Nuthatch, 3; Carolina Wren, 9; Mockingbird, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 1; Gray Shrike, 1 [no details—Ed.]; Loggerhead Shrike, 9; Common Starling, 69; House Sparrow, 166; Eastern Meadowlark, 125; Western Meadowlark, 41; Red-winged Blackbird, 94; Rusty Blackbird, 20; Brown-headed Cowbird, 3; Cardinal, 95; Purple Finch, 1; Am. Goldfinch, 141; Spotted Towhee, 3; Slate-colored Junco, 184; Oregon Junco, 2; Am. Tree Sparrow, 277; Harris's Sparrow, 15; White-crowned Sparrow, 14; White-throated Sparrow, 1; Fox Sparrow, 7; Lincoln's Sparrow, 3; Song Sparrow, 27. **Total,** 49 species (1 additional subspecies); 1771 individuals. (Seen in area Dec. 26: Barn Owl, 1; Am. Robin, 1.) No water birds due to 10 months' drought.—Eunice Dingus (compiler), Wilson J. Dingus, J. O. Dingus and M. Ellen Dingus, Ivan Sutton and Gary and Frank Woods.

360. Manhattan, Kans. (10-mile diameter, extending from Ashland Bridge, Manhattan, to Stockdale, chiefly Kansas State College campus and Blue River valley; pastures 25%, campus and towns 25%, wooded valley areas 50%).—Dec. 28; 8 a.m. to 3 p.m. Clear; temp. 25° to 38°; wind SSE, 6-7 m.p.h.; ground covered with 3-5 in. snow; all water frozen except Kansas River and parts of Blue River and Wildcat Creek. Two observers in 1 party. Total party-hours, 7 (3 on foot, 4 by car); total party-miles, 30 (3 on foot, 27 by car). Sharp-shinned Hawk, 1; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 2; Am. Crow, 6; Black-capped Chickadee, 500 (est.); Am. Robin, 25; Golden-crowned Kinglet, 4; Common Starling, 1; House Sparrow, 1000 (est.); Western Meadowlark, 20; Cardinal, 200 (est.); Spotted Towhee, 2; Slate-colored Junco, 1000 (est.); Oregon Junco, 3 (Oregon, 2, Pink-sided, 1); Am. Tree Sparrow, 500 (est.); Harris's Sparrow, 25; White-crowned Sparrow, 1. **Total,** 23 species (1 additional subspecies); 3307 individuals.—E. R. Lippincott, and S. Searles.

361. Ottawa, Kans. (7½-mile radius centering at the high school and including native prairie grassland to the southwest and the Marais des Cygnes River to the east; prairie and open fields 30%, wooded cemetery and park 30%, roadside weedy strips and hedgerows 30%, wooded stream 10%).—Dec. 26; 8 a.m. to 5 p.m. Clear; temp. 28° to 33°; wind S, 2-10 m.p.h.; scattered, thin patches of snow; river partly frozen. Five observers in 2 parties. Total party-hours, 9 (3½ on foot, 5½ by car); total party-miles, 65 (5 on foot, 60 by car). Mallard, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Marsh Hawk, 13; Sparrow Hawk, 2; Barred Owl, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 97; Blue Jay, 21; Am. Crow, 41; Black-capped Chickadee, 17; Tufted Titmouse, 13; White-breasted Nuthatch, 2; Carolina Wren, 1; Am. Robin, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 3; Common Starling, 159; House Sparrow, 108; meadowlark (sp.), 32; Red-winged Blackbird, 206; Cardinal, 15; Am. Goldfinch, 16; Slate-colored Junco, 105; Oregon Junco, 2; Am. Tree Sparrow, 576; Harris's Sparrow, 72; White-crowned Sparrow, 10; Song Sparrow, 10. **Total,** 35 species; 1562 individuals.—Amelia Betts, Mr. and Mrs. Ivan L. Boyd, Katharine Kelley, R. F. Miller.

362. Topeka, Kans. (7½-mile radius centering on State House including Rochester and Mount Hope cemeteries, Gage and Central Park, Washburn Campus, Lake Shawnee, Security Benefit Grounds and all adjacent farm lands, same terrain as in previous census periods).—Dec. 21; 8:30 a.m. to 5 p.m. Cloudy; temp. 15° to 32°; wind SSE, 4-6 m.p.h. Twenty-five observers in 6 parties. Total party-hours, 123 (6 on foot, 117 by car); total party-miles, 150 (6 on foot, 144 by car). Mallard, 1500; Black Duck, 2; Gadwall, 1; Pintail, 1; Lesser Scaup, 1; Am. Golden-eye, 1; Buffle-head, 1; Ruddy Duck, 1; Hooded Merganser, 4; Am. Merganser, 250; Cooper's Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 5; Am. Coot, 3; Horned Owl, 3; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 11; Am. Crow, 14; Black-capped Chickadee, 8; Tufted Titmouse, 3; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 3; Am. Robin, 3; Eastern Bluebird, 5; Golden-crowned Kinglet, 6; Loggerhead Shrike, 1; Common Starling, 3000 (est.); House Sparrow, 120; Eastern Meadowlark, 27; Purple Grackle, 1; Brown-headed Cowbird, 2; Cardinal, 26; Pine Siskin, 13; Am. Goldfinch, 9; Spotted Towhee, 3; Slate-colored Junco, 37; Am. Tree Sparrow, 43; Field Sparrow, 7; Harris's Sparrow, 34; White-crowned Sparrow, 5; Song Sparrow, 15; Lapland Longspur, 21. **Total,** 52 species; about 5223 individuals. (Seen in area during census period:

Green-winged Teal, Sharp-shinned Hawk, Peregrine Falcon, Greater Prairie Chicken, Ring-necked Pheasant, Mourning Dove, Screech Owl, Short-eared Owl, Red-shafted Flicker, Mockingbird, Brown Thrasher, Townsend's Solitaire, Ruby-crowned Kinglet, Oregon Junco, Fox Sparrow, Killdeer, Ring-billed Gull, Horned Lark.)—Mrs. H. S. Blake, L. B. Carson (compiler), Elizabeth Fisher, Roberta Foote, Mr. & Mrs. Charles Franklin, Mr. & Mrs. Walter A. Huxman, Mr. & Mrs. Carl Holmes, David & Dene Holmes, Frank Kelly, Mr. & Mrs. R. H. Kingman, Pearl Maus, Steve Meyers, Clyde Morris, T. W. Nelson, Cliff Olander, Orville O. Rice, David Pantle, Carol & Margaret Thompson, Mrs. L. G. Thorpe (Topeka Audubon Society).

363. **Wichita, Kans.** (same area since 1945 including Santa Fe Lake, woods along Whitewater River and Whitewater Creek, Maple Grove and Highland Cemeteries, Oak and Sims Parks; lake 10%, deciduous woodlots 55%, slough and marshland 5%, open fields and brushland 30%).—Dec. 26; 6:45 a.m. to 5:15 p.m. Overcast all day; temp. 21° to 28°; wind S, 0-8 m.p.h.; Santa Fe Lake frozen except for small hole; creeks and river partially open; ground covered with 1-2 in. snow; heavy fog lifted at about 10 a.m. Two observers in 1 party. Total party-hours, 10½ (8 on foot, 2½ by car); total party-miles, 76 (14 on foot, 62 by car). Canada Goose, 7; Mallard, 1600 (est.); Am. Merganser, 30; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 8; Rough-legged Hawk, 1; Marsh Hawk, 12; Sparrow Hawk, 5; Bob-white, 9; Ring-necked Pheasant, 3; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Red-shafted Flicker, 1; Red-bellied Woodpecker, 17; Hairy Woodpecker, 7; Downy Woodpecker, 28; Horned Lark, 1815 (1600 est., 215); Blue Jay, 6; Am. Crow, 167; Black-capped Chickadee, 131; Tufted Titmouse, 39; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 14; Carolina Wren, 9; Am. Robin, 1; Golden-crowned Kinglet, 24; Loggerhead Shrike, 5; Common Starling, 418; House Sparrow, 204; Eastern and Western Meadowlark, 39; blackbird (sp.), 6; Cardinal, 83; Purple Finch, 1; Pine Siskin, 9; Am. Goldfinch, 6; Spotted Towhee, 6; Slate-colored Junco, 165; Oregon Junco, 8; Am. Tree Sparrow, 613; Harris's Sparrow, 274; Song Sparrow, 23; Lapland Longspur, 30; McCown's Longspur, 2. **Total,** 46 species; about 5850 individuals.—Ray Loren Keller, Harry L. Hobson.

364. **Crescent, Okla.** (7-mile radius centering about 3 miles south of Crescent on State Highway 74 and including part of the Cimarron River and State Game Refuge to the South; open or plowed fields 5%, roadsides 15%, river and lake area 5%, Blackjack Oak woodlots 75%).—Dec. 21; 8:15 a.m. to 5 p.m. Sky heavily overcast; temp. 30° to 42°; wind SW, 12 m.p.h.; all fresh water open. Six observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 30 (5 on foot, 25 by car). Green-winged Teal, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Marsh Mawk, 2; Sparrow Hawk, 1; Bob-white, 6; Mourning Dove, 3; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-shafted Flicker, 3; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 28; Am. Crow, 54; Carolina Chickadee, 45; Tufted Titmouse, 7; Brown Creeper, 1; House Wren, 1; Carolina Wren, 6; Mockingbird, 4; Am. Robin, 62; Eastern Bluebird, 6; Loggerhead Shrike, 3; Common Starling, 80 (est.); House Sparrow, 24; Eastern Meadowlark, 64; Cardinal, 33; Purple Finch, 6; Eastern Goldfinch, 45 (est.); Spotted Towhee, 6; Slate-colored Junco, 32; Oregon Junco, 4; Am. Tree Sparrow, 10; Clay-colored Sparrow, 2; Field Sparrow, 9; Harris's Sparrow, 100 (est.); White-crowned Sparrow, 1; Song Sparrow, 2. **Total,** 41 species; about 672 individuals.—Jonathan Burch, David Clark, Phil Griffing (compiler), Wendell Long, Jr., J. Montgomery, S. Wilson (Auchincloss Bird Club).

365. **Norman, Okla.** (7-mile radius centering in section 26, 3½ miles east of highway 77 and ½ mile north of highway 9; black jack oak-hickory association 35%, elm-cottonwood-pecan bottomland 6%, cultivated farmland 30%, sandy flood plain 4%, open prairie range [not censused] 25%, scattered farm ponds and small lakes).—Dec. 28; 6 a.m. to 6 p.m. Clear; temp. 32° to 40°; wind SSW, 13 m.p.h.; no snow; thin ice on ponds. Fifteen observers in 4 parties. Total party-hours, 28½ (15 on foot, 13½ by car); total party-miles, 223 (7 on foot, 216 by car). Mallard, 38; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 18 (4 melanistic); Harlan's Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Ferruginous Hawk, 4; Marsh Hawk, 17; Sparrow Hawk, 3; Bob-white, 39; Killdeer, 9; Wilson's Snipe, 3; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, 23; Red-shafted Flicker, 7; Yellow & Red-shafted Flicker, 4; Pileated Woodpecker, 4; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 5; Horned Lark, 24; Blue Jay, 177; Am. Crow, 3013; Carolina Chickadee, 104; Tufted Titmouse, 50; Brown Creeper, 1; Winter Wren, 3; Bewick's Wren, 4; Carolina Wren, 16; Mockingbird, 5; Brown Thrasher, 1; Am. Robin, 30; Eastern Bluebird, 16; Golden-crowned Kinglet, 3; Water Pipit, 33; Loggerhead Shrike, 10; Common Starling, 759; Myrtle Warbler, 6; House Sparrow, 374; Eastern Meadowlark, 4; Western Meadowlark, 275; Red-winged Blackbird, 4027 (est.); Rusty Blackbird, 3; Brewer's Blackbird, 1; unidentified meadowlarks, 77; Brown-headed Cowbird, 4; Cardinal, 92; Purple Finch, 9; Pine Siskin, 1; Am. Goldfinch, 288; Eastern Towhee, 1; Spotted Towhee, 25; Savannah Sparrow, 5; Vesper Sparrow, 10; Slate-colored Junco, 220; Am. Tree Sparrow, 99; Field Sparrow, 23; Harris's Sparrow, 385; White-crowned Sparrow, 4; White-throated Sparrow, 8; Fox Sparrow, 50; Song Sparrow, 44. **Total,** 66 species (1 hybrid); about 10,505 individuals.—E. Clemens, H. Clemens, H. Cooksey, Mrs. H. Cooksey, R. Graber, J. Graber, G. Jones, V. Kelting, D. Mayfield, T. Mueller, Mrs.

W. T. Penfound, G. Rebell (compiler), J. Rebell, R. Updegraff, J. Wiens (Cleveland County Bird Club).

366. **Oklahoma City, Okla.** (same area as in past years, Canadian River and bottomland, Lakes Hefner and Overholser, Lincoln Park, Standard Oil camp and lake, roadsides, plus Blackjack Oak woodlots east of city; lakes and ponds 30%, deciduous woodlots 55%, parks and residential areas 5%, roadsides and open fields 10%).—Dec. 28; 7 a.m. to 5:30 p.m. Clear and bright all day; temp. 21° to 45°; wind S to SW, 14 m.p.h.; all fresh water frozen except parts of Canadian River, part of Lake Overholser and most of Lake Hefner. Fourteen observers in 4 parties. Total party-hours, 42 (25 on foot, 17 by car); total party-miles, 399 (21 on foot, 378 by car). Pied-billed Grebe, 1; Great Blue Heron, 7; Canada Goose, 100 (est.); Mallard, 4000 (est.); Pintail, 27; Green-winged Teal, 3; Redhead, 1; Lesser Scaup, 250; Buffle-head, 1; Am. Merganser, 500 (est.); Cooper's Hawk, 1; Red-tailed Hawk, 11; Rough-legged Hawk, 3; Marsh Hawk, 24; Pigeon Hawk, 1; Sparrow Hawk, 8; Bob-white, 11; Am. Coot, 2; Killdeer, 6; Ring-billed Gull, 36; Franklin's Gull, 200 (est.) [no details—Ed.]; Mourning Dove, 2; Screech Owl, 1; Horned Owl, 2; unidentified owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 14; Red-shafted Flicker, 7; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 11; Blue Jay, 100 (est.); Am. Crow, 400 (est.); Black-capped Chickadee, 2 (P.G., W.L.); Carolina Chickadee, 123; Tufted Titmouse, 8; White-breasted Nuthatch, 1; Brown Creeper, 11; House Wren, 1; Bewick's Wren, 5; Carolina Wren, 1; Mockingbird, 8; Brown Thrasher, 1 (K.F., S.W., J.B.—first winter record); Am. Robin, 64; Eastern Bluebird, 12; Golden-crowned Kinglet, 3; Gray Shrike, 1 (P.G., D.C., J.M., E.L.); Loggerhead Shrike, 9; Common Starling, 6000 (est.); Myrtle Warbler, 1; House Sparrow, 100 (est.); Eastern Meadowlark, 120; Western Meadowlark, 8; Red-winged Blackbird, 500; Brown-headed Cowbird, 4; Cardinal, 92; Am. Goldfinch, 81; Eastern Towhee, 1; Spotted Towhee, 5; Savannah Sparrow, 2; Slate-colored Junco, 86; Oregon Junco, 20 (including 1 Pink-sided—R.F., R.C., T.R.P.); Am. Tree Sparrow, 4; Field Sparrow, 40; Harris's Sparrow, 340; White-crowned Sparrow, 10; Song Sparrow, 11. **Total,** 69 species (1 additional subspecies); about 13,440 individuals. (1 Ruby-crowned Kinglet reported on 26th by David Clark and J. Montgomery.)—Philip Griffing, Wendell Long, Jr., Jonathan Burch, John Montgomery, David Clark, Steve Wilson, Bob Price, Rodman Frates, Kent Frates, Bruce Kennedy, T. Ray Phillips III, Eddie Leonard, Roy Woods, Jr., Richard Chegwin (Auchincloss Bird Club of Casady School).

367. **Salt Plains National Wildlife Refuge, Jet, Okla.** (7½-mile radius centering at Refuge Headquarters; dam spillway and Salt Fork River, east side of lake north to State Fish Hatchery, south side to Lindsley Place, west side to include Clay Creek, etc.; lake 60%, adjacent agricultural land 10%, deciduous woodland 30%).—Dec. 21; 7 a.m. to 5 p.m. Fog and overcast; temp. 29° to 40°; wind SW, 10 m.p.h. Five observers in 2 parties. Total party-hours, 20 (9 on foot, 11 by car); total party-miles, 30 (5 on foot, 25 by car). White Pelican, 16; Great Blue Heron, 12; Canada Goose, 5000; White-fronted Goose, 300; Mallard, 35,000 (est.); Gadwall, 8; Pintail, 150; Green-winged Teal, 1; Shoveller, 75; Canvas-back, 15; Lesser Scaup, 2; Am. Golden-eye, 16; Hooded Merganser, 10; Am. Merganser, 10,000 (est.); Red-tailed Hawk, 4; Harlan's Hawk, 1; Golden Eagle, 25; Bald Eagle, 50; Marsh Hawk, 7; **Peregrine Falcon,** 1; Sparrow Hawk, 1; Bob-white, 22; Ring-necked Pheasant, 3; Am. Coot, 1; Killdeer, 3; Wilson's Snipe, 1; Herring Gull, 2; Ring-billed Gull, 1000; Mourning Dove, 7; Horned Owl, 2; Yellow-shafted Flicker, 4; Red-shafted Flicker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 15; Am. Crow, 85; Carolina Chickadee, 80; Tufted Titmouse, 2; Brown Creeper, 3; Bewick's Wren, 3; Carolina Wren, 2; Eastern Bluebird, 5; Loggerhead Shrike, 1; House Sparrow, 2; Eastern Meadowlark and Western Meadowlark, 100; Red-winged Blackbird, 150; Brewer's Blackbird, 12; Cardinal, 75; Am. Goldfinch, 125; Spotted Towhee, 14; Slate-colored Junco, 45; Am. Tree Sparrow, 250; Harris's Sparrow, 250; White-crowned Sparrow, 150; Song Sparrow, 75. **Total,** 55 species; 53,188 individuals.—Nell Vance, Addie Fromholz, Florel Helema, Bess Smith, John B. Van den Akker (compiler).

368. **Sperry, Okla.** (7½-mile radius; a sandstone, limestone area; frequently pumping oilwells; 56th & Cinn., N. Airport, Barnsdale School, Bird Creek, Highways #29 and Osage, Skiatook and South on #11, Peoria Ave.; weedy roadside 10%, sumach, persimmon, sassafras and plum thickets 40%, small creeks and deciduous wooded hills 20%, pasture ponds, drained Lake Sperry, lowlands and farmyards 30%).—Dec. 20; 8 a.m. to 4 p.m. Cloudy to clear; temp. 28° to 41°; wind N-NW, 10-12 m.p.h.; ground frozen to thawing with thin ice in gullies and ruts in a.m. Four observers in 1 and 2 parties. Total party-hours, 11 (6 on foot, 5 by car); total party-miles, 46 (6 on foot, 40 by car). Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 8; Marsh Hark, 4; Sparrow Hawk, 2; unidentified hawks, 3; Killdeer, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 10; Blue Jay, 6; Am. Crow, 25; chickadee (sp.), 46; Tufted Titmouse, 13; White-breasted Nuthatch, 9; Am. Robin, 1; Eastern Bluebird, 8; Loggerhead Shrike, 6; Common Starling, 165; House Sparrow, 82; meadowlark (sp.), 139; Red-winged Blackbird, 250 (200±50, 50); Rusty Blackbird, 3; Brewer's Blackbird, 10; blackbirds, mixed flocks, 2650 (2600±100, 50); Purple Grackle (Bronzed), 12; Brown-headed Cowbird, 25; Cardinal, 5; Purple Finch, 3; Am. Goldfinch, 65;

Eastern Towhee, 2; Slate-colored Junco, 14; Am. Tree Sparrow, 5; Field Sparrow, 7; Song Sparrow, 5; Smith's Longspur, 3 (E.F.K., E.S.—8x glasses, close range, bill and white sides of tail). **Total,** 39 species; about 3618 individuals.—Steve Goddard, Edith Force Kassing (compiler), David O. Kassing, Effie Shell.

369. Stillwater, Okla. (same area as in previous years; open farmland 25%, timbered ravine with permanent or intermittent stream 50%, shores of artificial reservoirs 15%, upland oak woods 10%).—Dec. 24; 6:30 a.m. (dawn) to 5 p.m. Cloudy, intermittent snow flurries; temp. 14° to 28°; wind N, 8-12 m.p.h.; ponds frozen over but lakes and streams open. Five observers in 2 parties. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 60 (11 on foot, 49 by car). Mallard, 6; Am. Merganser, 51; unidentified ducks, 200 (est.); Red-tailed Hawk, 11; Rough-legged Hawk, 3; Ferruginous Hawk, 1; unidentified buteos, 3; Marsh Hawk, 22; Sparrow Hawk, 2; Bob-white, 36; Am. Coot, 5; Killdeer, 3; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 43; Red-shafted Flicker, 5; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 22; Horned Lark, 40; Blue Jay, 37; Am. Crow, 114; Carolina Chickadee, 47; Tufted Titmouse, 15; White-breasted Nuthatch, 4; Brown Creeper, 2; Bewick's Wren, 2; Carolina Wren, 5; Am. Robin, 12; Eastern Bluebird, 24; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Common Starling, 39; House Sparrow, 137; Eastern and Western Meadowlarks, 184; Red-winged Blackbird, 155; Rusty Blackbird, 105; Brewer's Blackbird, 43; unidentified blackbird, 475 (est.); Cardinal, 49; Purple Finch, 102; Am. Goldfinch, 660 (est.); Spotted Towhee, 5; Savannah Sparrow, 3; Leconte's Sparrow, 1; Slate-colored Junco, 300 (est.); Oregon Junco, 1 (A.M.B.); Am. Tree Sparrow, 490 (est.); Field Sparrow, 15; Harris's Sparrow, 235 (est.); White-crowned Sparrow, 5; Fox Sparrow, 3; Song Sparrow, 27; longspur (sp.), 225 (est.); **Total,** 53 species; about 4005 individuals.—A. M. and F. M. Baumgartner (compiler), H. A. McCoy, G. C. Merrifield, M. J. Morris (Oklahoma A. and M. College).

370. Tulsa, Okla. (Mohawk Park—same area as covered since 1948 count).—Dec. 27; 7 a.m. to 5 p.m. Clear to hazy overcast; temp. 24° to 38°; wind N, 0-8 m.p.h.; thin ice on shallow water. Twenty-six observers in 7 parties. Total party-hours, 51 (50 on foot, 1 by car); total party-miles, 44 (41 on foot, 3 by car). Eared Grebe, 1 (J.G.N.); Pied-billed Grebe, 2; Great Blue Heron, 19; (Lesser) Canada Goose, 1 (J.G.N.—20x scope at 200 yds.); Mallard, 1836 (1500 est., 336); Gadwall, 20; Green-winged Teal, 4; Ring-necked Duck, 6; Lesser Scaup, 1; Am. Golden-eye, 6; Buffle-head, 6; Hooded Merganser, 20; Am. Merganser, 600; Red-tailed Hawk, 9; Red-shouldered Hawk, 10; Marsh Hawk, 13; Sparrow Hawk, 1; Bob-white, 83; Am. Coot, 4; Herring Gull, 3; Ring-billed Gull, 12; Horned Owl, 1; Barred Owl, 6; Belted Kingfisher, 11; Yellow-shafted Flicker, 101; Red-shafted Flicker, 3; Pileated Woodpecker, 4; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 180; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 42; Blue Jay, 119; Am. Crow, 106; chickadee (sp.), 113; Tufted Titmouse, 120; White-breasted Nuthatch, 11; Brown Creeper, 10; Winter Wren, 2; Carolina Wren, 28; Mockingbird, 4; Brown Thrasher, 1; Am. Robin, 14; Eastern Bluebird, 20; Golden-crowned Kinglet, 10; Loggerhead Shrike, 2; Common Starling, 99; House Sparrow, 146; Eastern Meadowlark, 106; Red-winged Blackbird, 44; Rusty Blackbird, 161; mixed flock of blackbirds, 13,000; Purple Grackle, 126; Cardinal, 131; Purple Finch, 11; Pine Siskin, 1; Am. Goldfinch, 47; Eastern Towhee, 5; Spotted Towhee, 8; Slate-colored Junco, 247; Am. Tree Sparrow, 24; Field Sparrow, 30; Harris's Sparrow, 25; White-throated Sparrow, 81; Fox Sparrow, 19; Song Sparrow, 37. **Total,** 65 species; about 17,945 individuals.—C. L. Criswell, Mr. and Mrs. A. L. Caldwell, Mr. and Mrs. Ernest Esst, Mrs. Roy Ginter, John Getgood, Mrs. Mabel Hagan, Mr. and Mrs. Harry Howes, Mrs. Myron Kiess, Orrin W. Letson (compiler), Ethel S. Letson, John G. Newell, Harvey T. Phillips, Mrs. Bruce Reynolds, Mr. and Mrs. Boyd Robinson, Mr. and Mrs. Harold C. Spore, Mrs. John Slater, Alfred Steitz, Bess Smith, G. E. Tenney, Mr. and Mrs. S. H. Watkins.

371. Wichita Mountains Wildlife Refuge, Cache, Okla. (same as 1950).—Dec. 27; 7:30 a.m. to 6 p.m. Cloudy; temp. 24° to 43°; wind SE, 1-3 m.p.h.; ground bare, lakes partially frozen. One observer. Total hours, 8 (4 on foot, 4 by car); total miles, 36 (6 on foot, 30 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 190; Am. Widgeon, 60; Pintail, 2; Green-winged Teal, 18; Buffle-head, 26; Am. Merganser, 1; Red-tailed Hawk, 3; Golden Eagle, 2; Bald Eagle, 3; Marsh Hawk, 2; Bob-white, 18; Turkey, 47; Road-runner, 2; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-shafted Flicker, 8; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Blue Jay, 11; Am. Crow, 17; chickadee (sp.), 29; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Bewick's Wren, 6; Carolina Wren, 3; Cañon Wren, 2; Am. Robin, 68; Mountain Bluebird, 6; Townsend's Solitaire, 4; Ruby-crowned Kinglet, 1; Cedar Waxwing, 49; Loggerhead Shrike, 2; House Sparrow, 2; meadowlark (sp.), 56; Red-winged Blackbird, 5; Cardinal, 21; Spotted Towhee, 6; Rufous-crowned Sparrow, 4; junco (sp.), 38; Am. Tree Sparrow, 2; Harris's Sparrow, 3. **Total,** 46 species; 746 individuals.—Ernest J. Greenwalt.

372. Aransas National Wildlife Refuge, Austwell, Tex. (7½-mile radius centering on Patrol Station and including Burgentine Lake, agricultural area north of refuge, San Antonio bay shore south to Rattlesnake Point; pasture 60%, plow land 25%, salt marsh and bays 15%).—Dec. 26; 9 a.m. to 6 p.m. Cloudy; temp. 44° to 54°; wind 5-10 m.p.h. Five observers in 2 parties. Total party-hours, 40 (10

on foot, 15 by car, 15 by boat); total party-miles, 195 (5 on foot, 116 by car, 74 by boat). Pied-billed Grebe, 1; White Pelican, 50; Brown Pelican, 10; Double-crested Cormorant, 10; Great Blue Heron, 23; Am. Egret, 1; Snowy Egret, 5; Reddish Egret, 1; Louisiana Heron, 1; White Ibis, 25; Canada Goose, 1500; White-fronted Goose, 10; Snow Goose, 165; Blue Goose, 9; Mallard, 20; Mottled Duck, 4; Gadwall, 75; Am. Widgeon, 50; Pintail, 2000; Green-winged Teal, 12; Shoveller, 5; Redhead, 10; Lesser Scaup, 10; Am. Golden-eye, 1; Buffle-head, 7; Red-breasted Merganser, 3; Turkey Vulture, 16; Black Vulture, 20; Cooper's Hawk, 1; Red-tailed Hawk, 15; Harlan's Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Marsh Hawk, 40; Sparrow Hawk, 45; Turkey, 5; Whooping Crane, 2; Sandhill Crane, 24; Am. Coot, 10; Piping Plover, 1; Ringed Plover, 1; Wilson's Plover, 1; Killdeer, 6; Black-bellied Plover, 10; Long-billed Curlew, 15; Hudsonian Curlew, 1; Willet, 8; Greater Yellow-legs, 4; Lesser Yellow-legs, 3; Least Sandpiper, 12; Red-backed Sandpiper, 20; Dowitcher, 50; Western Sandpiper, 15; Am. Avocet, 10; Wilson's Phalarope, 1; Herring Gull, 16; Ring-billed Gull, 21; Laughing Gull, 4; Forster's Tern, 10; Common Tern, 4; Least Tern, 2; Caspian Tern, 10; Black Skimmer, 25; Mourning Dove, 60; Horned Owl, 1; Burrowing Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 5; Say's Phoebe, 1; Horned Lark, 4; Black-crested Titmouse, 1; House Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 30; Brown Thrasher, 2; Am. Robin, 20; Wood Thrush, 1 [no details—Ed.]; Loggerhead Shrike, 18; Common Starling, 150; Northern Water-thrush, 1 [no details—Ed.]; Am. Redstart, 1 [no details—Ed.]; House Sparrow, 15; Eastern Meadowlark, 55; Red-winged Blackbird, 70; Brewer's Blackbird, 34; Boat-tailed Grackle, 100; Brown-headed Cowbird, 350; Cardinal, 10; Savannah Sparrow, 1; Grasshopper Sparrow, 1; Vesper Sparrow, 5; Lark Sparrow, 2; Am. Tree Sparrow, 1 [no details—Ed.]; Field Sparrow, 2. **Total,** 94 species; 5387 individuals.—Everett Beaty (compiler), Ann Beaty, Julian Howard, Mr. and Mrs. John A. Howard.

373. **Big Spring, Tex.** (same area as previous 4 years; mesquite-juniper hillsides and tableland 12%, artificial lake 2%, rocky canyon with mesquite and juniper 18%, cultivated fields 6%, mesquite thickets and long grass in stream valleys 48%, open park 14%).—Dec. 21; 7:15 a.m. to 6 p.m. Overcast until noon, clear until 4 p.m., cloudy and dusty until 6 p.m.; temp. 45° to 72° to 54°; wind SW, 10-20 m.p.h. until 3 p.m., then NW, 20-30 m.p.h. until 4 p.m., then N, 30-40 m.p.h. until 6 p.m.; ground damp to dry; water open. Eight observers in 3 and 4 parties. Total party-hours, 25½ (21 on foot, 4½ by car); total party-miles, 46 (13 on foot, 33 by car). Great Blue Heron, 2; Red-tailed Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 3; Scaled Quail, 16; Mourning Dove, 42; Yellow-shafted Flicker, 1; Red-shafted Flicker, 2; Ladder-backed Woodpecker, 8; White-necked Raven, 235; Verdin, 3; Brown Creeper, 1; Bewick's Wren, 2; Cactus Wren, 1; Cañon Wren, 1; Rock Wren, 2; Mockingbird, 45; Brown Thrasher, 3; Sage Thrasher, 2; Am. Robin, 87; Townsend's Solitaire, 1; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 7; Water Pipit, 180 (±30); Cedar Waxwing, 13; Loggerhead Shrike, 1; Common Starling, 461 (400±50, 61); Myrtle Warbler, 2; House Sparrow, 106; Western Meadowlark, 25; Brewer's Blackbird, 31; Brown-headed Cowbird, 8; Cardinal, 53; Pyrrhuloxia, 5; House Finch, 6; Am. Goldfinch, 3; Spotted Towhee, 5; Brown (Cañon) Towhee (including 3 partial albinos, M.K.G. and F.W.), 21; Lark Bunting, 13; Lark Sparrow, 1; Cassin's Sparrow, 6; Black-throated Sparrow, 11; Oregon Junco, 48; Field Sparrow, 2; Brewer's Sparrow, 1; White-crowned Sparrow, 235. **Total,** 47 species; about 1708 individuals. The absence of water birds is due to long-continued drought which has caused the drying-up of Moss Creek Lake.—Tom S. Edrington, Jr., John E. Galley (compiler), Margret K. Galley, Charles R. Gaines, Edyth Risley, Howard E. Rothrock, John Scobey, Frances Williams.

374. **Carrizo Springs (Dimmit Co.), Tex.** (same area as last year).—Dec. 24; 7 a.m. to 4:30 p.m. Cloudy most of day; clearing in late afternoon; temp. 45° to 55°; wind S to SE, 1 m.p.h. Two observers in 1 party. Total party-hours, 8½ (8 on foot, ½ by car); total party-miles, 15 (11 on foot, 4 by car). Great Blue Heron, 3; Green Heron, 1; Gadwall, 1; Am. Widgeon, 6; Blue-winged Teal, 5; Turkey Vulture, 1; Black Vulture, 8; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Golden Eagle, 7; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; Sandhill Crane, 83; Killdeer, 5; Spotted Sandpiper, 2; Lesser Yellow-legs, 3; Semipalmated Sandpiper, 7; Mourning Dove, 68; Ground Dove, 13; Belted Kingfisher, 1; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 8; Ladder-backed Woodpecker, 9; Eastern Phoebe, 1; White-necked Raven, 168; Carolina Chickadee, 9; Black-crested Titmouse, 13; Verdin, 1; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 10; Rock Wren, 1; Mockingbird, 8; Sennett's Thrasher, 1; Am. Robin, 2; Eastern Bluebird, 1; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 7; Water Pipit, 5; Cedar Waxwing, 9; Solitary Vireo, 1; Myrtle Warbler, 2; House Sparrow, 3; Eastern Meadowlark, 63; Brown-headed Cowbird, 30; Cardinal, 20; Pyrrhuloxia, 7; Purple Finch, 3; Am. Goldfinch, 300; Spotted Towhee, 3; Lark Bunting, 550; Savannah Sparrow, 1; Vesper Sparrow, 1; Lark Sparrow, 5; Black-throated Sparrow, 1; Slate-colored Junco, 10; Field Sparrow, 1; White-crowned Sparrow, 11; White-throated Sparrow, 1. **Total,** 62 species; about 1492 individuals. (Seen in area Dec. 23: Loggerhead Shrike, 2; Least Sandpiper, 1; Texas Sparrow, 2; Yellow-shafted Flicker, 1.)—Kent Rylander, Roddy Rylander.

375. **Commerce, Tex.** (same area as in 1951 and 1950).—Dec. 28; 8 a.m. to 4:35 p.m. Clear; temp. 28° to 65°; wind N, 0-5 m.p.h.; frost early, ice on edge of pools at beginning of trip. One observer. Total hours, 8½ (7 on foot, 1½ by car); total miles, 34 (12 on foot, 22 by car). Mallard, 3; Turkey

Vulture, 11; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Swainson's Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Killdeer, 19; Mourning Dove, 22; Horned Owl, 1; Barred Owl, 3; Yellow-shafted Flicker, 13; Pileated Woodpecker, 1; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 20; Blue Jay, 17; Am. Crow, 89; Carolina Chickadee, 26; Tufted Titmouse, 15; Carolina Wren, 4; Mockingbird, 7; Brown Thrasher, 8; Am. Robin, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Water Pipit, 1; Cedar Waxwing, 2; Loggerhead Shrike, 8; House Sparrow, 5; Eastern Meadowlark, 40; Rusty Blackbird, 24; Purple Grackle, 3; Brown-headed Cowbird, 56; Cardinal, 115; Am. Goldfinch, 6; Eastern Towhee, 3; Slate-colored Junco, 52; Field Sparrow, 5; Harris's Sparrow, 46; White-crowned Sparrow, 5; Fox Sparrow, 5; Song Sparrow, 3; Smith's Longspur, 15; Chestnut-collared Longspur, 1. **Total,** 48 species; 696 individuals.—Norah Selby O'Neil (compiler).

376. Del Rio, Tex. (same area as last year; grassy park 3%, willow-cottonwood grove 10%, underbrush and thickets 32%, cattail and river-cane marsh 18%, sand ridges along river 1%, irrigated farmland 10%, limestone canyons 10%, artificial lake 2%, mesquite-catclaw-cactus desert 14%).—Dec. 27; 7:45 a.m. to 6:15 p.m. Completely overcast; intermittent light rain in morning; temp. 44° to 58°; wind N, 0-2 m.p.h.; ground wet; water open. Eight observers in 3 parties. Total party-hours, 21½ (14¼ on foot, 3 by car, 4¼ by boat); total party-miles, 22½ (6 on foot, 12½ by car, 4 by boat). Pied-billed Grebe, 1; Great Blue Heron, 6; Green Heron, 1; Mallard, 3; Gadwall, 8; Green-winged Teal, 13; Shoveller, 2; Canvas-back, 5; Black Vulture, 6; Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Scaled Quail, 15; Am. Coot, 601 (600±50, 1); Killdeer, 3; Wilson's Snipe, 1; Spotted Sandpiper, 2; Greater Yellow-legs, 1; Lesser Yellow-legs, 1; Mourning Dove, 132; Inca Dove, 3; Horned Owl, 2; Belted Kingfisher, 3; Green Kingfisher, 2; Yellow-shafted Flicker, 10; Red-shafted Flicker, 21; Golden-fronted Woodpecker, 30; Yellow-bellied Sapsucker, 4; Ladder-backed Woodpecker, 16; Eastern Phoebe, 5; Black Phoebe, 1; Say's Phoebe, 1; Black-crested Titmouse, 6; Verdin, 13; Brown Creeper, 3; House Wren, 2; Bewick's Wren, 8; Carolina Wren, 1; Long-billed Marsh Wren, 7; Cañon Wren, 3; Rock Wren, 1; Mockingbird, 91; Sennett's Thrasher, 1; Curve-billed Thrasher, 3; Am. Robin, 39; Hermit Thrush, 4; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 26; Water Pipit, 7; Cedar Waxwing, 3; Loggerhead Shrike, 14; Common Starling, 36; Orange-crowned Warbler, 10; Myrtle Warbler, 93; Common Yellow-throat, 3; House Sparrow, 275 (±30); meadowlark (sp.), 19; Yellow-headed Blackbird, 3; Red-winged Blackbird, 305 (275±30, 30); Brewer's Blackbird, 497 (400±30, 97); Boat-tailed Grackle, 500 (±50); Brown-headed Cowbird, 150 (±20); Cardinal, 56; Pyrrhuloxia, 29; House Finch, 4; Am. Goldfinch, 2; Lesser Goldfinch, 7; Green-tailed Towhee, 7; Spotted Towhee, 8; Brown (Cañon) Towhee, 1; Lark Bunting, 4; Vesper Sparrow, 1; Rufous-crowned Sparrow, 4; Black-throated Sparrow, 25; Oregon Junco, 2; Field Sparrow, 19; White-crowned Sparrow, 164; White-throated Sparrow, 1; Fox Sparrow, 4; Swamp Sparrow, 8; Song Sparrow, 19. **Total,** 82 species; about 3396 individuals.—Joseph L. Borden, Marion B. Borden, Charles R. Gaines, John E. Galley (compiler), Margret K. Galley, David O. Kassing, Edith Force Kassing, John Scobey.

377. Denton County, Tex. (same area as last year).—Dec. 20; 7 a.m. to 3 p.m. Clear; temp. 30° to 48°; wind S to SW, 2-5 m.p.h. Two observers in 1 party. Total party-hours, 8 (7½ on foot, ½ by car); total party-miles, 18 (6 on foot, 12 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Canada Goose, 40; Blue Goose, 1; Mallard, 3; Gadwall, 24; Am. Widgeon, 33; Pintail, 26; Blue-winged Teal, 5; Cinnamon Teal, 1; Shoveller, 5; Redhead, 3; Canvas-back, 4; Greater Scaup, 8; Lesser Scaup, 18; Turkey Vulture, 4; Black Vulture, 3; Red-tailed Hawk, 2; **Bald Eagle,** 1; Sparrow Hawk, 1; Bob-white, 22; **Virginia Rail,** 1; Am. Coot, 12; Killdeer, 15; Wilson's Snipe, 3; Ring-billed Gull, 3; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 4; Eastern Phoebe, 1; Blue Jay, 8; Am. Crow, 60; Carolina Chickadee, 16; Tufted Titmouse, 3; Brown Creeper, 2; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 6; Mockingbird, 4; Brown Thrasher, 2; Am. Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 1; Ruby-crowned Kinglet, 1; Cedar Waxwing, 6; Loggerhead Shrike, 4; House Sparrow, 2; Eastern Meadowlark, 25; meadowlark (sp.), 50; Red-winged Blackbird, 3; Brown-headed Cowbird, 35; Cardinal, 35; Purple Finch, 10; Am. Goldfinch, 10; Spotted Towhee, 3; Savannah Sparrow, 1; Slate-colored Junco, 110; Oregon Junco, 2; Harris's Sparrow, 2; White-crowned Sparrow, 2; White-throated Sparrow, 5; Fox Sparrow, 2; Lincoln's Sparrow, 3; Song Sparrow, 7. **Total,** 66 species; about 686 individuals.—Kent Rylander, Roddy Rylander.

378. Eagle Pass (Maverick Co.), Tex. (7½-mile radius centering at Eagle Pass, Texas, including mostly banks of Rio Grande; dense river bottoms 90%, mesquite brush 5%, irrigated fields 5%).—Dec. 27; 7 a.m. to 6 p.m. Cloudy, intermittent drizzle in morning; temp. 46° to 50°; no wind. Two observers in 1 party. Total party-hours, 11 (on foot); total party-miles, 12 (on foot). Great Blue Heron, 1; Gadwall, 23; Am. Widgeon, 20; Pintail, 4; Blue-winged Teal, 8; Shoveller, 2; Redhead 2; Buffle-head, 3; Marsh Hawk, 3; Killdeer, 13; Spotted Sandpiper, 1; Pectoral Sandpiper, 2 [no details—Ed.]; Mourning Dove, 11; Ground Dove, 2; Horned Owl, 3; Belted Kingfisher, 2; Golden-fronted Woodpecker, 6; Ladder-backed Woodpecker 4; Eastern Phoebe, 3; Say's Phoebe, 2; Rough-winged Swallow, 17; White-necked Raven, 31; Carolina Chickadee, 4; Black-crested Titmouse, 6; Verdin, 18; Bewick's Wren, 5; Carolina Wren, 4; Rock Wren, 1; Mock-

ingbird, 7; Sennett's Thrasher, 5; Eastern Bluebird, 3; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 18; Water Pipit, 11; Orange-crowned Warbler, 8; Yellow Warbler, 1 [no details—Ed.]; Myrtle Warbler, 7; Common Yellowthroat, 3; House Sparrow, 4; Eastern Meadowlark, 8; Red-winged Blackbird, 25; Audubon's Oriole, 1; Boat-tailed Grackle, 130; Cardinal, 10; Am. Goldfinch, 2; Texas Sparrow, 6; Green-tailed Towhee, 2; Spotted Towhee, 1; Savannah Sparrow 3; Vesper Sparrow, 2; Field Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 13; Song Sparrow, 3. **Total,** 54 species; about 478 individuals. (Seen in area Dec. 26: Lesser Yellow-legs, 2; Semipalmated Sandpiper, 3.)—Kent Rylander, Roddy Rylander.

379. **El Paso, Tex.** (7½-mile radius centering on point on Mount Franklin and including Ascarate and Memorial Parks, McKelligan's Canyon, Boy and Girl Scout Camps, Randel's Pool, Country Club area, dairy yards, mesas irrigated farmlands, Rio Grande levees and river, parks 10%, desert canyon and mesas 20%, wooded areas and bosque 30%, dairies 7%, irrigated farms and river 33%).—Dec. 27; 8 a.m. to 5:30 p.m. Overcast 2 hours, then clear; temp. 39° to 55°; wind N, average 11 m.p.h.; water and ground open (no ice, snow or mud). Nineteen observers in 5 parties. Total party-hours, 33½ (28½ on foot, 5 by car); total party-miles, 177 (79 on foot, 98 by car). Pied-billed Grebe 18; Great Blue Heron, 4; Green Heron, 3; Mallard, 447; Gadwall, 792; Am. Widgeon, 276; Pintail, 81; Green-winged Teal, 540; Shoveller, 205; Redhead, 2; Canvas-back, 1; Lesser Scaup, 1; Ruddy Duck, 18; Am. Merganser 58; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Ferruginous Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 15; California Quail, 60; **Sandhill Crane,** 7; Am. Coot, 264; Killdeer, 2; Wilson's Snipe. 1; Ring-billed Gull, 15; Mourning Dove, 25; Belted Kingfisher, 1; **Yellow-shafted Flicker,** 1; Red-shafted Flicker, 20; Ladder-backed Woodpecker, 1; Black Phoebe 2; Scrub Jay, 1; White-necked Raven, 30; Verdin, 1; Common Bushtit, 1 (J.O.A.); House Wren, 2; Long-billed Marsh Wren, 1; Rock Wren, 1; Mockingbird, 3; Crissal Thrasher, 1; Am. Robin, 116; Hermit Thrush, 6; **Eastern Bluebird,** 8 (M.B.K., J.W., L.M.); Western Bluebird, 8; Mountain Bluebird, 1; **Blue-gray Gnatcatcher,** 1 (J.O.A., J.C., H.N.); Ruby-crowned Kinglet, 2; Water Pipit, 1; Cedar Waxwing, 3; Loggerhead Shrike, 14; Common Starling, 1021; Audubon's Warbler, 5; **Black-capped Warbler,** 1 (J O.A., J.C.); House Sparrow, 593; Western Meadowlark, 90; Yellow-headed Blackbird, 47; Red-winged Blackbird, 67; Brewer's Blackbird 433; Boat-tailed Grackle, 36; Brown-headed Cowbird, 72; Pyrrhuloxia, 3; House Finch, 31; Green-tailed Towhee, 2; Spotted Towhee, 12; Brown Towhee, 1; Lark Bunting, 70; Baird's Sparrow, 2; Black-throated Sparrow, 15; Oregon Junco, 28 (Pink-sided 20); Gray-headed Junco, 15; Chipping Sparrow, 46; Brewer's Sparrow, 5; White-crowned Sparrow (Gambel's), 407; White-throated Sparrow, 5 (M.B.K., W.R.); Song Sparrow, 3. **Total,** 75 species; 6081 individuals.—Mesdames J. Owen Allen, Harry Conway, Marian Delp, C. E. Locke, Lena McBee, Harriet McGuire, Ward Rice, J. C. Wilmarth; Misses Jennie Camp, Mary Belle Keafer; J. Owen Allen III, Roy C. Allen, John Conway, Roger Delp, Herman Neel, Bob Rice, Ward Rice, Jasper Wooldridge, Dr. Brown Randel (El Paso Audubon Society).

380. **Fort Worth, Tex.** (7½-mile radius centering on Federal Fish Cultural Station, including Lake Worth area, Rockwood, Trinity and Forest Parks; deciduous woodland 75%, roadsides and pastures 10%, ponds and lakes 15%).—Dec. 27; 8:30 a.m. to 6 p.m. High clouds; temp. 36° to 45°; wind NW to NNE, 5-17 m.p.h. Fourteen observers in 2 parties. Total party-hours, 84 (56 on foot, 28 by car); total party-miles, 163 (38 on foot, 125 by car). Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 21; Gadwall, 7; Am. Widgeon, 10; Pintail, 1; Blue-winged Teal, 10; Canvas-back, 11; Lesser Scaup, 6; Turkey Vulture, 23; Red-tailed Hawk 2; Rough-legged Hawk, 1; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 1; Bob-white, 5; Am. Coot, 25; Killdeer, 19; Wilson's Snipe, 2; Franklin's Gull, 7; Mourning Dove, 1; Road-runner, 1; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 29; Red-shafted Flicker, 1; Red-bellied Woodpecker, 22; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Ladder-backed Woodpecker, 1; Eastern Phoebe, 1; Blue Jay, 64; Am. Crow, 33; Carolina Chickadee 93; Tufted Titmouse, 30; Brown Creeper, 11; Bewick's Wren, 2; Carolina Wren, 12; Long-billed Marsh Wren, 1; Mockingbird, 31; Brown Thrasher, 2; Am. Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 3; Water Pipit, 20; Cedar Waxwing, 20; Loggerhead Shrike, 3; Common Starling, 3260 (1800±500, 1460); Myrtle Warbler, 7; House Sparrow, 155; Eastern Meadowlark, 35; Red-winged Blackbird, 1500; Brown-headed Cowbird, 1000; Cardinal, 92; Purple Finch, 24; Am. Goldfinch, 15; Spotted Towhee, 28; Rufous-winged Sparrow, 1 (observed at close range—Mrs. W.S.); Slate-colored Junco, 126; Am. Tree Sparrow, 3; Field Sparrow, 13; Harris's Sparrow, 116; White-crowned Sparrow, 40; White-throated Sparrow, 27; Fox Sparrow, 1; Lincoln's Sparrow, 13; Song Sparrow, 41. **Total,** 70 species; about 7072 individuals. More Red-winged Blackbirds are in the area than indicated by the count. Due to the time of day their roosting grounds were covered they were not seen.—Mr. and Mrs. Geo. S. Adams, Margaret Adams, Mrs. Robt. H. Bowman, Mr. and Mrs. J. E. Casstevens, Harold Clark, Mrs. Ruth Harrison, Warren Pulich, Mr. and Mrs. Wade Smith, Doris Smith, Mr. and Mrs. H. C. Wallenberg (Fort Worth Audubon Society).

381. **Galveston, Tex.** (northeast end of Galveston Island to point 13 miles down the island and adjoining mainland west of Galveston Bay, all within a 15-mile diameter; grassy prairies with many fresh-water pools 70%, tamarisk and prickly ash thickets 10%, beaches 5%, open water 5%, dry prairies and golf-courses 5%).—Dec. 26; 8:15 a.m. to 2:45 p.m.

Overcast; temp. 39° to 58°; wind N, 8-12 m.p.h. Four observers in 1 party. Total party-hours, 6½ (½ on foot, 6 by car); total party-miles, 65 (1 on foot, 64 by car). Common Loon, 4; Horned Grebe, 3; Pied-billed Grebe, 21; White Pelican, 4; Brown Pelican, 69; Double-crested Cormorant, 69; Great Blue Heron, 6; Am. Egret, 25; Snowy Egret, 20; Louisiana Heron, 6; Little Blue Heron, 3; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 2; White-faced Ibis, 163 (150 est., 13); White Ibis, 55; Mallard, 14; Gadwall, 40; Green-winged Teal, 7; Am. Widgeon, 55; Shoveller, 31; Lesser Scaup, 41; Am. Golden-eye, 4; Ruddy Duck, 35; Hooded Merganser, 1; Red-breasted Merganser, 1; Red-tailed Hawk, 8 (2 Krider's); Marsh Hawk, 22; Sparrow Hawk, 21; Clapper Rail, 1; Florida Gallinule, 2; Am. Coot, 177; Ringed Plover, 2; Killdeer, 23; Ruddy Turnstone, 19; Black-bellied Plover, 48; Long-billed Curlew, 9; Spotted Sandpiper, 1; Willet, 40; Greater Yellow-legs, 12; Lesser Yellow-legs, 14; Red-backed Sandpiper, 19; Dowitcher, 253; Semipalmated Sandpiper, 19; Western Sandpiper, 300 (est.); Sanderling, 128; Am. Avocet, 28; Herring Gull, 163 (100 est., 63); Ring-billed Gull, 1885 (500 est., 1385); Laughing Gull, 141; Gull-billed Tern, 16; Forster's Tern, 11; Royal Tern, 16; Caspian Tern, 62; Mourning Dove, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Eastern Phoebe, 2; Horned Lark, 48; Mockingbird, 5; Blue-gray Gnatcatcher, 1; Am. Pipit, 24; Loggerhead Shrike, 22; Common Starling, 406; Eastern Meadowlark, 49; Red-winged Blackbird, 120 (100 est., 20); Brewer's Blackbird, 10; Boat-tailed Grackle, 6; Brown-headed Cowbird, 1200 (est.); Cardinal, 6; Savannah Sparrow, 2. **Total,** 71 species; about 6034 individuals. (Many common winter species such as Eared Grebe, Marbled Godwit, Turkey Vulture, Pintail, Myrtle Warbler, Short-billed Marsh Wren were missed. No good explanation is found for their absence.)—Henry Baumgarten, J. M. Heiser, George G. Williams, Steve Williams (compiler).

382. Houston, Tex. (lower portion of San Jacinto River from mouth to point 15 miles upstream, near Sheldon; heavy woods of pine and oak, cypress swamps, open fields, salt-water estuary, river bottom; same area as previous years).—Dec. 21; 6:30 a.m. to 6 p.m. Overcast all day, no precipitation; temp. 42° to 60°; wind ESE, 14 m.p.h. Thirty-six observers in 8 parties. Total party-hours, 81 (64 on foot, 17 by car); total party-miles, 382 (56 on foot, 326 by car). Pied-billed Grebe 55; White Pelican, 308; Brown Pelican, 210; Double-crested Cormorant, 6; Water-turkey, 20; Great Blue Heron, 57; Am. Egret, 979; Snowy Egret, 41; Louisiana Heron, 10; Little Blue Heron, 4; Black-crowned Night Heron, 111; White-faced Ibis, 24; Canada Goose, 108; Snow Goose, 383; Blue Goose, 60; Mallard, 54; Mottled Duck, 155; Gadwall, 389; Am. Widgeon, 61; Pintail, 368; Green-winged Teal, 214; Blue-winged Teal, 4; Shoveller, 61; Redhead, 60; Ring-necked Duck, 5; Canvas-back, 10; Lesser Scaup, 1032; Ruddy Duck, 6; Turkey Vulture, 88; Black Vulture, 112; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 54; Red-shouldered Hawk, 44; Broad-winged Hawk, 1; Swainson's Hawk, 3; White-tailed Hawk, 2; Ferruginous Hawk, 1; Marsh Hawk, 71; Osprey, 1; Audubon's Caracara, 2; Peregrine Falcon, 1; Sparrow Hawk, 131; Greater Prairie Chicken, 9; Bob-white, 16; Am. Coot, 137; Snowy Plover, 1; Killdeer, 194; Black-bellied Plover, 3; Am. Woodcock, 3; Wilson's Snipe, 11; Spotted Sandpiper, 2; Greater Yellow-legs, 27; Lesser Yellow-legs, 17; Least Sandpiper, 25; Red-backed Sandpiper 22; Dowitcher, 7; Semipalmated Sandpiper, 1509; Western Sandpiper, 5571; Sanderling, 4; Am. Avocet, 106; Herring Gull, 38; Ring-billed Gull, 154; Laughing Gull, 66; Gull-billed Tern, 25; Forster's Tern, 48; Common Tern, 2; Royal Tern, 8; Caspian Tern, 5; Mourning Dove, 362; Ground Dove, 7; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 26; Yellow-shafted Flicker, 98; Pileated Woodpecker, 14; Red-bellied Woodpecker, 46; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 15; Eastern Phoebe, 49; Vermilion Flycatcher, 1; Blue Jay, 100; Am. Crow, 478; Carolina Chickadee, 134; Tufted Titmouse, 62; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 9; Brown Creeper, 16; House Wren, 7; Winter Wren, 9; Carolina Wren, 69; Short-billed Marsh Wren, 1; Mockingbird, 179; Brown Thrasher, 76; Am. Robin, 1113; Hermit Thrush, 21; Eastern Bluebird, 157; Blue-gray Gnatcatcher, 50; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 145; Water Pipit, 341; Sprague's Pipit, 7; Cedar Waxwing, 523; Loggerhead Shrike, 172; Common Starling, 1706; White-eyed Vireo, 2; Solitary Vireo, 5; Orange-crowned Warbler, 18; Myrtle Warbler, 206; Pine Warbler, 20; Common Yellowthroat, 4; House Sparrow, 137; Eastern Meadowlark, 548; Red-winged Blackbird, 594; Brewer's Blackbird, 19,856; Boat-tailed Grackle, 21; Purple Grackle, 218; Brown-headed Cowbird, 2028; Cardinal, 291; Pine Siskin, 38; Am. Goldfinch, 484; Eastern Towhee, 10; Savannah Sparrow, 279; Baird's Sparrow, 3; Seaside Sparrow, 1; Vesper Sparrow, 35; Lark Sparrow, 23; Slate-colored Junco, 80; Oregon Junco (Pink-sided), 15 (seen at close range feeding with Slate-colored Juncos—G.G.W.); Chipping Sparrow, 1; Field Sparrow, 44; Harris's Sparrow, 7; White-crowned Sparrow, 31; White-throated Sparrow, 442; Fox Sparrow, 3; Lincoln's Sparrow, 14; Swamp Sparrow, 7; Song Sparrow, 21. **Total,** 140 species; 44,870 individuals.—Mrs. Jerry Baker, C. E. Buehner, Betty Crowley, Nance Cunningham, Kyle Durand, Victor Emanuel, Werner Gottsch, Billy Green, W. J. Greer, Mr. & Mrs. Charles W. Hamilton, J. M. Heiser, Carrie Holcomb, Mabel Kaiser, Oran Lively, Mr. & Mrs. Francis MacMahon, John Martin, Dorris Massingill, Charles McNeese, Edna Miner, J. F. Murray, Noel Pettingell, Elwyn Simmons, Ruth Stamm, Leota Stilwell, Lawrence Tabony, Katrina Thompson, Ellen Watson, Frank Watson, Josiephine Wilkin, George Williams, Stephen Williams, Ella Wolfer, Richard Wright, M. A. Yramategui.

383. Laguna Atascosa National Wildlife Refuge, San Benito (Cameron Co.), Tex. (same as last year).—Dec. 21; 5:15 a.m. to 6:30 p.m. Cloudy; temp. 68° to 79°; wind SSE, 15-24 m.p.h. with gusts to 32 m.p.h. Twenty-five observers in 11 parties. Total party-hours, 207 (120 on foot, 80 by car, 7 by boat); total party-miles, 262 (45 on foot, 175 by car, 42 by boat). Eared Grebe, 12; Least Grebe, 2; Pied-billed Grebe, 40; White Pelican, 401; Brown Pelican, 34; Double-crested Cormorant, 8; Olivaceus Cormorant, 103; Water-turkey, 5; Great Blue Heron, 99; Am. Egret, 34; Snowy Egret, 38; Reddish Egret, 27; Louisiana Heron, 13; Little Blue Heron, 12; Black-crowned Night Heron, 4; White-faced Ibis, 9; White Ibis, 3; Canada Goose, 2139; White-fronted Goose, 258; Snow Goose, 1137; Blue Goose, 45; Fulvous Tree-duck, 7; Mallard, 209; Mottled Duck, 129; Gadwall, 2417 (2000 est., 417); Am. Widgeon, 1854 (1400 est., 454); Pintail, 115,510 (110,000± 5000, 510); Green-winged Teal, 12; Blue-winged Teal, 44; Cinnamon Teal, 2; Shoveller, 2506 (2000 est., 506); Redhead, 61,576 (59,000±2000, 576); Ring-necked Duck, 20; Canvas-back, 7; Lesser Scaup, 1525 (1000 est., 525); Buffle-head, 56; Ruddy Duck, 6; Red-breasted Merganser, 38; Turkey Vulture, 98; Black Vulture, 529; Sharp-shinned Hawk, 1; Cooper's Hawk, 7; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; White-tailed Hawk, 15; Ferruginous Hawk, 2; Harris's Hawk, 30; Marsh Hawk, 182; Audubon's Caracara, 20; Peregrine Falcon, 5; Sparrow Hawk, 92; Bob-white, 69; Sandhill Crane, 151; Am. Coot, 2272; Piping Plover, 19; Snowy Plover, 4; Ringed Plover, 16; Killdeer, 198; Black-bellied Plover, 132; Ruddy Turnstone, 30; Wilson's Snipe, 6; Long-billed Curlew, 764; Spotted Sandpiper, 13; Solitary Sandpiper, 1; Willet, 267; Greater Yellow-legs, 43; Lesser Yellow-legs, 16; Least Sandpiper, 25; Red-backed Sandpiper, 388; Dowitcher, 77; Semipalmated Sandpiper, 251; Western Sandpiper, 78; Marbled Godwit, 12; Sanderling, 19; Am. Avocet, 157; Herring Gull, 42; Ring-billed Gull, 160; Laughing Gull, 146; Gull-billed Tern, 20; Forster's Tern, 109; Common Tern, 19; Royal Tern, 5; Caspian Tern, 44; Black Skimmer, 293; Mourning Dove, 392; Ground Dove, 35; Inca Dove, 3; Road-runner, 3; Horned Owl, 7; Pauraque, 3; Belted Kingfisher, 5; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 18; Ladder-backed Woodpecker, 19; Derby Flycatcher, 11; Eastern Phoebe, 13; Say's Phoebe, 20; wood pewee (sp.), 1; Vermilion Flycatcher, 13; Horned Lark, 63; Tree Swallow, 12; Green Jay, 16; Black-crested Titmouse, 9; Verdin, 2; House Wren, 5; Bewick's Wren, 21; Carolina Wren, 1; Cactus Wren, 2; Mockingbird, 235; Sennett's Thrasher, 2; Curve-billed Thrasher, 32; Sage Thrasher, 8; Am. Robin, 374 (300 est., 74); Eastern Bluebird, 4; Blue-gray Gnatcatcher, 9; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 11; Water Pipit, 519; Sprague's Pipit, 26; Loggerhead Shrike, 118; **Common Starling,** 9052; Solitary Vireo, 1; Orange-crowned Warbler, 10; Myrtle Warbler, 36; **Palm Warbler,** 2; Canada Warbler, 1; Common Yellow-throat, 8; House Sparrow, 110; Eastern Meadowlark, 243; Red-winged Blackbird, 8579; Brewer's Blackbird, 5589; Boat-tailed Grackle, 1069; Brown-headed Cowbird, 2961; Pyrrhuloxia, 5; Sharpe's Seedeater, 1; Pine Siskin, 2; Am. Goldfinch, 39; Texas Sparrow, 7; Lark Bunting, 12; Savannah Sparrow, 382; Grasshopper Sparrow, 1; Baird's Sparrow, 5; Vesper Sparrow, 38; Lark Sparrow, 158; Cassin's Sparrow, 7; Black-throated Sparrow, 45; Clay-colored Sparrow, 56; Field Sparrow, 46; White-crowned Sparrow, 92; Lincoln's Sparrow, 2; Song Sparrow, 3. **Total,** 151 species; about 227,755 individuals.—Mr. and Mrs. George S. Titus, C. E. Morris, Mr. and Mrs. Terry Gill, Wm. S. Jennings, Merritt H. Hull, Dr. Pauline James, Robert Drawe, George Day, Cecil Clifford, Mr. and Mrs. L. Irby Davis, Sheldon C. Klock, Jr., Sheldon C. Klock, Sr., Marshall Johnston, Theodore Johnston, Herberto Trevino, John Morony, Chester N. Moore, Aubrey Heath, C. E. Hudson, Jr., Jack Prentiss, Blanche W. Longland, Jackie Clifford, Luther C. Goldman (compiler).

384. Midland, Tex. (same area as last year; parks and cemetery 25%, water and marsh 20%, cultivated areas 5%, sandy plains with long grass and thickets of mesquite and tamarisk 50%).—Dec. 20; 7 a.m. to 6 p.m. Clear to partly overcast; temp. 32° to 64° to 56°; wind SW, 0-8 m.p.h.; ground damp; water open, but lakes almost dry because of drought. Seven observers in 2 parties. Total party-hours, 20½ (10 on foot, 10½ by car); total party-miles, 138 (9 on foot, 129 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 10; Sparrow Hawk, 10; Bob-white, 2; Scaled Quail, 61; Sandhill Crane (Little Brown), 19; Killdeer, 13; Long-billed Curlew, 38; Mourning Dove, 237; Horned Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 13; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 4; Say's Phoebe, 2; Eastern Phoebe, 1; Horned Lark, 21; White-necked Raven, 10; Brown Creeper, 1; Bewick's Wren, 3; Long-billed Marsh Wren, 2; Rock Wren, 1; Mockingbird, 19; Curve-billed Thrasher, 1; Sage Thrasher, 2; Am. Robin, 9; Hermit Thrush, 1; Townsend's Solitaire, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 7; Water Pipit, 61; Loggerhead Shrike, 31; Common Starling, 202; Myrtle Warbler, 10; Audubon's Warbler, 6; House Sparrow, 140; Western Meadowlark, 357; Brewer's Blackbird, 150; Brown-headed Cowbird, 152; Cardinal, 2; Pyrrhuloxia, 30; House Finch, 18; Pine Siskin, 2; Am. Goldfinch, 20; Green-tailed Towhee, 3; Spotted Towhee, 3; Lark Bunting, 2161 (2000± 200, 161); Sharp-tailed Sparrow, 4; Vesper Sparrow, 47; Black-throated Sparrow, 4; Oregon Junco, 17; Chipping Sparrow, 13; Field Sparrow, 15; Clay-colored Sparrow, 1; Brewer's Sparrow, 4; White-crowned Sparrow, 479; Song Sparrow, 14. **Total,** 59 species; about 4445 individuals.—T. S. Edrington, Jr., John E. Galley (compiler), Margret K. Galley, Robert E. Goff, John Scobey, Lucien O. Thompson, Frances Williams.

385. Queen City, Tex. (same as last 2 years).—Dec. 26; 7 a.m. to 6:30 p.m. Clear; temp. 43° to

55°; wind SW, 5 m.p.h. One observer. Total hours, 11½ (11 on foot, ½ by car); total miles, 24 (18 on foot, 6 by car). Mallard, 13; Wood Duck, 6; Turkey Vulture, 27; Black Vulture, 6; Red-tailed Hawk, 3; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Sparrow Hawk, 1; Bob-white, 13; Killdeer, 3; Mourning Dove, 15; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 28; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 27; Eastern Phoebe, 1; Blue Jay, 39; Am. Crow, 43; Carolina Chickadee, 23; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 4; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 14; Mockingbird, 5; Brown Thrasher, 11; Am. Robin, 29; Hermit Thrush, 6; Eastern Bluebird, 10; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 4; Cedar Waxwing, 18; Loggerhead Shrike, 6; Pine Warbler, 4; House Sparrow, 4; Eastern Meadowlark, 89; Red-winged Blackbird, 57; Rusty Blackbird, 41; Purple Grackle, 11; Cardinal, 29; Purple Finch, 7; Am. Goldfinch, 57; Eastern Towhee, 5; Savannah Sparrow, 2; Vesper Sparrow, 26; Slate-colored Junco, 211; Field Sparrow, 29; White-throated Sparrow, 76; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 6. **Total,** 54 species; 1082 individuals.—Billy Heldt.

386. Rockport, Tex. (7½-mile radius from center of town; Aransas Bay shore to causeway, back of town to Copano Bay, south of town to Portuea Bay; bay shore 40%, salt flats 20%, thick brush 20%, wet meadows 15%, marsh 5%).—Dec. 27; 7 a.m. to 5 p.m. Light rain all day; temp. 50°; wind NE, 6-8 m.p.h. Eight observers in 2 parties. Total party-hours, 18 (4 on foot, 14 by car); total party-miles, 117 (7 on foot, 110 by car). Pied-billed Grebe, 1; White Pelican, 52; Brown Pelican, 19; Double-crested Cormorant, 2; Olivaceus Cormorant, 17; Great Blue Heron, 30; Am. Egret, 6; Snowy Egret, 2; Reddish Egret, 12; Louisiana Heron, 6; Little Blue Heron, 12; Canada Goose, 250; White-fronted Goose, 10; Snow Goose, 300; Blue Goose, 5; Am. Widgeon, 400; Pintail, 30,000 (low); Blue-winged Teal, 5; Shoveller, 14; Redhead, 3000; Lesser Scaup, 3; Red-breasted Merganser, 4; Turkey Vulture, 10; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 12; Sparrow Hawk, 29; Piping Plover, 2; Snowy Plover, 2; Ringed Plover, 25; Killdeer, 100+; Black-bellied Plover, 24; Ruddy Turnstone, 15; Long-billed Curlew, 36; Willet, 130; Greater Yellow-legs, 27; Lesser Yellow-legs, 8; Least Sandpiper, 57; Red-backed Sandpiper, 1000+; Dowitcher, 52; Semi-palmated Sandpiper, 13; Western Sandpiper, 45; Marbled Godwit, 32; Sanderling, 12; Herring Gull, 150; Ring-billed Gull, 1000+; Laughing Gull, 200; Gull-billed Tern, 32; Forster's Tern, 28; Least Tern, 1; Royal Tern, 6; Caspian Tern, 5; Black Skimmer, 60; Mourning Dove, 500; Ground Dove, 5; Inca Dove, 2; Road-runner, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 14; Red-shafted Flicker, 5; Ladder-backed Woodpecker, 2; Eastern Phoebe, 15; Vermilion Flycatcher, 2; Black-crested Titmouse, 17; Mockingbird, 35; Brown Thrasher, 4; Am. Robin, 800+; Hermit Thrush, 1; Blue-gray Gnatcatcher, 29; Ruby-crowned Kinglet, 19; Water Pipit, 300; Cedar Waxwing, 7; Loggerhead Shrike, 14; Common Starling, 1000; Orange-crowned Warbler, 1; Myrtle Warbler, 36; Audubon's Warbler, 1; Black-throated Green Warbler, 1; Pine Warbler, 2; House Sparrow, 3; Eastern Meadowlark, 75; Red-winged Blackbird, 1500; Brewer's Blackbird, 16; Boat-tailed Grackle, 255; Brown-headed Cowbird, 330; Cardinal, 47; Pine Siskin, 44; Am. Goldfinch, 85; Savannah Sparrow, 7; Sharp-tailed Sparrow, 2; Vesper Sparrow, 25; Lark Sparrow, 36; Field Sparrow, 4; Harris's Sparrow, 25; White-crowned Sparrow, 35; White-throated Sparrow, 28; Lincoln's Sparrow, 4; Song Sparrow, 8. **Total,** 101 species; 42,621 individuals. (Seen Dec. 26: 1 Green-tailed Towhee, 2 Spotted Towhees, 250 Eastern Bluebirds, 4 Audubon's Caracaras, 2 Bewick's Wrens.) Mr. and Mrs. R. Lethbridge, Mr. and Mrs. Norman Lethbridge, Mr. and Mrs. Herb Clarke, Mrs. Katherine Richmond, Mrs. Conger Hagar.

387. Sabinal, Tex. (same area and habitats as in December 1950 count).—Dec. 21; 6 a.m. to 7 p.m. Mostly cloudy, trace of rain in a.m.; temp. 45° to 70°; wind E to N, 2-10 m.p.h.; ground bare and superficially moist; no ice and little water. One observer. Total hours, 13 (9 on foot, 4 by car); total miles, 75 (6 on foot, 69 by car). Great Blue Heron, 1; Gadwall, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 6; Bob-white, 15; Killdeer, 1; Wilson's Snipe, 1; Mourning Dove, 125; Ground Dove, 9; Inca Dove, 3; Horned Owl, 3; Belted Kingfisher, 1; Red-shafted Flicker, 1; Golden-fronted Woodpecker, 12; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 13; Eastern Phoebe, 1; Am. Crow, 1; Black-crested Titmouse, 18; Verdin, 2; Brown Creeper, 1; Bewick's Wren, 15; Cañon Wren, 4; Rock Wren, 3; Mockingbird, 14; Am. Robin, 37; Ruby-crowned Kinglet, 13; Loggerhead Shrike, 7; Common Starling, 16; Myrtle Warbler, 5; House Sparrow, 19; Western Meadowlark, 111; Red-winged Blackbird, 4; Brown-headed Cowbird, 12; Cardinal, 36; Pyrrhuloxia, 20; House Finch, 9; Am. Goldfinch, 23; Lesser Goldfinch, 14; Green-tailed Towhee, 9; Spotted Towhee, 10; Brown Towhee, 2; Lark Bunting, 92; Vesper Sparrow, 15; Lark Sparrow, 31; Black-throated Sparrow, 14; Slate-colored Junco, 1; Chipping Sparrow, 2; Field Sparrow, 5; White-crowned Sparrow, 116; Song Sparrow, 2. **Total,** 54 species; 888 individuals.—Edgar J. Kincaid, Jr.

388. Santa Ana National Wildlife Refuge area, Alamo (Hidalgo Co.), Tex. (7½-mile radius, centering 3 miles south on Alamo Road and including the towns of Pharr, San Juan and Alamo; river-bottom woodland 20%, brush 10%, river, lakes and canal banks 15%, open farmland 40%, vegetated fence rows 10%, town sites 5%).— Dec. 23; 6:30 a.m. to 6 p.m. Clear, temp. 52-69°; wind N, about 5 m.p.h. Eleven observers in 4 parties. Total party-hours, 70 (40 on foot, 30 by car); total party-miles,

53 (19 on foot, 34 by car). Least Grebe, 9; Pied-billed Grebe, 3; Olivaceous Cormorant, 3; Great Blue Heron, 4; Am. Egret, 1; Snowy Egret, 12; Blue Goose, 8; Gadwall, 8; Am. Widgeon, 3; Pintail, 3; Green-winged Teal, 485; Blue-winged Teal, 22; Shoveller, 2; Canvas-back, 1; Ruddy Duck, 2; Turkey Vulture, 8; Black Vulture, 14; Cooper's Hawk, 6; Red-tailed Hawk, 2; Red-shouldered Hawk, 15; Harris's Hawk, 9; Marsh Hawk, 18; Audubon's Caracara, 2; Peregrine Falcon, 1; Sparrow Hawk, 31; Florida Gallinule, 1; Am. Coot, 56; Chachalaca, 2; Killdeer, 5; Spotted Sandpiper, 4; Greater Yellowlegs, 3; Baird's Sandpiper, 5; Dowitcher, 1; Semipalmated Sandpiper, 15; Mourning Dove, 10; Ground Dove, 1; Inca Dove, 6; White-fronted Dove, 26; Horned Owl, 4; Pauraque, 3; Red-shafted Flicker, 3; Golden-fronted Woodpecker, 38; Ladder-backed Woodpecker, 27; Tropical Kingbird, 1; Derby Flycatcher, 33; Eastern Phoebe, 4; Vermilion Flycatcher, 5; Tree Swallow, 1; Green Jay, 53; White-necked Raven, 2; Black-crested Titmouse, 2; House Wren, 2; Bewick's Wren, 13; Carolina Wren, 8; Mockingbird, 37; Sennett's Thrasher, 28; Curve-billed Thrasher, 1; Am. Robin, 98; Hermit Thrush, 10; Eastern Bluebird, 49; Blue-gray Gnatcatcher, 39; Ruby-crowned Kinglet, 14; Water Pipit, 5; Cedar Waxwing, 4; **Phainopepla,** 1 (under close observation in hackberry woodland for 20 minutes; first Refuge record); Loggerhead Shrike, 17; Common Starling, 68; White-eyed Vireo, 5; Black & White Warbler, 2; Orange-crowned Warbler, 2; Nashville Warbler, 8; Magnolia Warbler, 2; Myrtle Warbler, 81; Audubon's Warbler, 3; Yellow-throated Warbler, 1; House Sparrow, 91; Eastern Meadowlark, 7; Red-winged Blackbird, 2673; Audubon's Oriole, 16; Boat-tailed Grackle, 206; Brown-headed Cowbird, 354; Cardinal, 50; Pyrrhuloxia, 2; Pine Siskin, 45; Am. Goldfinch, 14; Texas Sparrow, 18; Lark Sparrow, 4; Black-throated Sparrow, 4; Field Sparrow, 2; White-throated Sparrow, 6; empidonax flycatchers (sp.), 7. **Total,** 91 species; about 4976 individuals.—Lola Barnhart, Mrs. F. Denzer, Edgar McBurney, Clarence Moffitt, C. N. Moore, John Morony, Katherine Young, Mary Young, Mrs. A. P. Longland, Mrs. Frank Rompf, Luther C. Goldman (compiler, Lower Rio Grande Valley Audubon Club).

389. Tyler, Tex. (same area as last year; 15% cultivated fields, 10% lake shores, 40% deciduous creeks, 10% swampland and 25% open fields and pasture).—Dec. 21; 5 a.m. to 4:30 p.m. Cloudy; temp. 38° to 57°; wind W to SW, 7-21 m.p.h.; ground wet. Fourteen observers in 6 parties. Total party-hours, 44 (28½ on foot, 15½ by car); total party-miles, 198 (67½ on foot, 130½ by car). Pied-billed Grebe, 41; Great Blue Heron, 5; Mallard, 20; Black Duck, 2; Am. Widgeon, 1; Green-winged Teal, 2; Blue-winged Teal, 26; Shoveller, 7; Canvas-back, 22; Lesser Scaup, 21; Buffle-head, 1; Ruddy Duck, 2; Red-breasted Merganser, 1; Turkey Vulture, 46; Black Vulture, 13; Cooper's Hawk, 1; Red-tailed Hawk, 20; Red-shouldered Hawk, 17; Rough-legged Hawk, 2; Marsh Hawk, 6; Peregrine Falcon, 1; Sparrow Hawk, 23; Bob-white, 56; Am. Coot, 689; Killdeer, 18; Wilson's Snipe, 2; Mourning Dove, 45; Screech Owl, 1; Horned Owl, 2; Barred Owl, 3; Belted Kingfisher, 12; Yellow-shafted Flicker, 131; Pileated Woodpecker, 2; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 46; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 8; Downy Woodpecker, 30; Eastern Phoebe, 5; Blue Jay, 374; Am. Crow, 124; Carolina Chickadee, 114; Tufted Titmouse, 86; White-breasted Nuthatch, 8; Brown Creeper, 15; Winter Wren, 3; Bewick's Wren, 11; Carolina Wren, 55; Short-billed Marsh Wren, 1; Mockingbird, 68; Brown Thrasher, 56; Am. Robin, 25; Hermit Thrush, 11; Eastern Bluebird, 151; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 96; Ruby-crowned Kinglet, 49; Loggerhead Shrike, 76; Common Starling, 1632 (1500 est., 132); Myrtle Warbler, 191; Pine Warbler, 14; House Sparrow, 269; Eastern Meadowlark, 172; Red-winged Blackbird, 561+; Rusty Blackbird, 316; Brewer's Blackbird, 81; Purple Grackle, 40,338 (40,000 est., 338); Brown-headed Cowbird, 2792 (2000 est.); Cardinal, 401; Purple Finch, 1; Pine Siskin, 38; Am. Goldfinch, 111; Eastern Towhee, 67; Spotted Towhee, 1 (O.C.S.); Savannah Sparrow, 2; Grasshopper Sparrow, 2; Vesper Sparrow, 31; Slate-colored Junco, 870; Field Sparrow, 143; Harris's Sparrow, 21; White-crowned Sparrow, 31; White-throated Sparrow, 373; Fox Sparrow, 27; Lincoln's Sparrow, 17; Swamp Sparrow, 14; Song Sparrow, 33. **Total,** 86 species; 45,240 individuals.—Mr. & Mrs. O. C. Sheffield, Jack White, C. W. Torrans, Mr. & Mrs. B. B. Watson, Mr. & Mrs. Vance Burks, Miss Michael Carmichael, Carl Weber, Dr. E. W. Lyle, L. G. Huey and Mr. & Mrs. Gaddis Taylor.

390. Billings, Mont. (area centering on Carter Refinery along Yellowstone Valley between Billings and Huntley; irrigated farms 60%, timbered bottoms 15%, sagebrush uplands & rimrocks 20%, ditches and marshes 5%; same general area as in previous years).—Dec. 27; 8 a.m. to 5 p.m. Partly overcast; temp. 25° to 40°; wind SW to W, 5-15 m.p.h.; ground 10 to 30% covered with 1-inch crusted snow; margins of Yellowstone River frozen, about 50% of creeks and ditches frozen. Six observers in 3 parties. Total party-hours, 16 (9 on foot, 7 by car); total party-miles, 104 (14 on foot, 90 by car). Mallard, 162; Am. Golden-eye, 21; Red-tailed Hawk, 1; Rough-legged Hawk, 3; Prairie Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 64; Wilson's Snipe, 1; Short-eared Owl, 1; Red-shafted Flicker, 2; Hairy Woodpecker, 1; Am. Magpie, 43; Black-capped Chickadee, 8; Am. Robin, 1; Townsend's Solitaire, 4; Bohemian Waxwing, 40; Gray Shrike, 1; Common Starling, 17; House Sparrow, 111; Western Meadowlark, 22; **Gray-crowned Rosy Finch,** 40 (1 Hepburn incl.—L.A.P.); **Am. Goldfinch,** 36; Am. Tree Sparrow, 88; Song Sparrow, 5. **Total,** 24 species (1 additional subspecies); 674 individuals. (Seen in area Dec. 26 or 28: Golden Eagle, 2; Marsh Hawk, 1; Piñon Jay, 1; White-breasted Nuthatch, 3.)—Wilfred Crabb, Fred Longan, Liven Peterson (compiler), Burton Rounds, Bruce Townsend, George Spinner.

391. Bozeman, Mont. (partly the same area as in 1949 and 1951 censuses; 7½-mile radius from Bozeman; around town, Sunset Hills cemetery, Bridger Canyon, Federal fish hatchery, municipal dump, Springhill district, Dry Creek District, Belgrade swamps, Central Park, Sourdough Creek district; irrigated and dryland ranching areas 50%, urban and associated areas 20%, river and creek bottoms 10%, mountain canyon 10%).—Dec. 26; 8:45 a.m. to 4:30 p.m. Clear; temp. -3° to 15°; wind calm, 0-5 m.p.h.; ground covered with 1-8 inches snow, slow-flowing, cold creeks frozen, warm creeks open. Two observers in 1 party. Total party-hours, 7¾ (1¾ on foot, 6 by car); total party-miles, 103 (2 on foot, 101 by car). Mallard, 93; Pigeon Hawk, 3; Ring-necked Pheasant, 49; Killdeer, 3; Belted Kingfisher, 7; Red-shafted Flicker, 1; Horned Lark, 47; Am. Magpie, 174; Common Raven, 3; Am. Crow, 25; Mountain Chickadee, 14; Red-breasted Nuthatch, 3; Am. Robin, 1; Townsend's Solitaire, 5; Loggerhead Shrike, 1; Common Starling, 138; House Sparrow, 259; Brewer's Blackbird, 2; Evening Grosbeak, 1; Pine Siskin, 74; Red Crossbill, 13; Oregon Junco (Pink-sided), 26; Song Sparrow, 8. **Total,** 23 species; 950 individuals.—C. V. Davis, H. N. Metcalf.

392. Libby, Mont. (3-mile radius centering on Mineral Ave. and 7th St., and including area along Cherry Creek from bridge on highway No. 2 to confluence of Cherry and Libby Creeks, mill ponds and Libby Creek north to bridge on 5th St. extension, west along railway and south bank of Kootenai River to Parmenter Creek; town 20%, deciduous growth along creeks and ponds 40%, mixed deciduous and coniferous woods 25%, river 10%, coniferous woods 5%).—Dec. 23; 8:30 a.m. to 5 p.m. Cloudy with light snowfall; temp. 30° to 34°; no wind; 8-in. snow; water unfrozen except for mill ponds and a few points on river edge; Flower Creek dry. Five observers in 1 to 4 parties. Total party-hours, 10¾ (10½ on foot, ¼ by car); total party-miles, 15½ (10½ on foot, 5 by car). Mallard, 13; Am. Merganser, 5; Ruffed Grouse, 7; Killdeer, 1; Wilson's Snipe, 1; Belted Kingfisher, 1; Red-shafted Flicker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 1; Am. Magpie, 1; Common Raven, 18; Black-capped Chickadee, 13; Mountain Chickadee, 4; **Am. Dipper,** 7; Am. Robin, 3; Townsend's Solitaire, 1; Golden-crowned Kinglet, 3; Bohemian Waxwing, 253 (240 est., 13); shrike (sp.), 1; Common Starling, 1; House Sparrow, 27; Evening Grosbeak, 1; Pine Grosbeak, 11; Common Redpoll, 31 (30 est., 1); towhee (sp.), 1; Song Sparrow, 8. **Total,** 26 species; 420 individuals. (Seen in area Dec. 26: Oregon Junco, 4; Dec. 27: Brown Creeper, 1.)—Tony Lompa, Donn Rawlings, Thomas Rogers (compiler), Richard Shelden, John Wilson.

393. Casper, Wyo. (same as 1948 and subsequent years). Dec. 28; 7:30 a.m. to 5 p.m. Clear, frightful conditions; temp. 35°; wind SW, average 35 m.p.h. with gusts to 55 m.p.h.; ground bare except for hard snow on mountain, open water at warm springs only. Seventeen observers in 6 parties. Total party-hours, 34 (18 on foot, 16 by car); total party-miles, 195 (28 on foot, 167 by car). Mallard, 13; Am. Golden-eye, 24; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Rough-legged Hawk, 1; Ferruginous Hawk, 1; **Golden Eagle,** 21; Marsh Hawk, 2; Prairie Falcon, 1; **Sage Hen,** 62; Ring-necked Pheasant, 13; Wilson's Snipe, 6; Horned Owl, 2; Belted Kingfisher, 2; Red-shafted Flicker, 11; Downy Woodpecker, 2; Horned Lark, 8; **Am. Magpie,** 286; Com. Raven, 2; Am. Crow, 52; Clarke's Nutcracker, 3; Black-capped Chickadee, 34; Mountain Chickadee, 2; Am. Dipper, 1; Townsend's Solitaire, 3; **Bohemian Waxwing,** 134; Gray Shrike, 1; Common Starling, 389; House Sparrow, 968; Western Meadowlark, 2; Red-winged Blackbird, 1; Evening Grosbeak, 4; House Finch, 2; **Pine Grosbeak,** 4; **Gray-crowned Rosy Finch,** 17; Oregon Junco, 2; Am. Tree Sparrow, 42; Harris's Sparrow, 5; Song Sparrow, 16. **Total,** 39 species; 2141 individuals.—D. Barnum, A. H. Brady, F. H. Brady, L. R. Burkhart, R. R. Burkhart, Mrs. E. R. Gage, W. H. Haselmire, Jr., W. Hensley, V. W. Jaquot, P. W. Netterstrom, Dr. B. P. Phibbs, Dr. and Mrs. O. K. Scott, J. W. Yant, H. Yant, T. C. Wilson, J. L. Youmans (Wyoming Audubon Society).

394. Boulder, Colo. (2 miles southwest of Boulder to 5 miles northeast; streets and parks of town 15%, open farmland 45%, cottonwood stream bottom 10%, reservoirs 15%, shrub thickets of canyon floors 5%, Ponderosa Pine forest 10%).—Dec. 20; 6:45 a.m. to 4:30 p.m. Clear; temp. 30° to 40°; wind very light; ground partly covered with snow. Nine observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 40 (4 on foot, 36 by car). Double-crested Cormorant, 2; Mallard, 5750 (±500); Gadwall, 2; Am. Widgeon, 302; Pintail, 150; Am. Golden-eye, 1; Am. Merganser, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 21; Killdeer, 2; Wilson's Snipe, 3; Screech Owl, 1; Pygmy Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 38; Hairy Woodpecker, 1; Horned Lark, 3; Steller's Jay, 17; Am. Magpie, 51; Am. Crow, 26; Black-capped Chickadee, 11; White-breasted Nuthatch, 12; Brown Creeper, 1; Am. Dipper, 1; Winter Wren, 2; Am. Robin, 1; Townsend's Solitaire, 5; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Water Pipit, 1; Gray Shrike, 1; Common Starling, 11; Myrtle Warbler, 1; House Sparrow, 85; Western Meadowlark, 7; Red-winged Blackbird, 150; House Finch, 62; Am. Goldfinch, 75; White-winged Junco, 1; Slate-colored Junco, 4; Oregon Junco, 27 (Shufeldt's, 5; Pink-sided, 22); Gray-headed Junco, 13; Am. Tree Sparrow, 39; White-crowned Sparrow, 3; Song Sparrow, 3. **Total,** 49 species (1 additional subspecies); about 6906 individuals.—Douglas, Gordon, and Marion Alexander, Dominick D'Ostilio, Edna L. Johnson, Owen A., and Marjorie Knorr, Olwen Williams, Paul Winston (University of Colorado).

395. Colorado Springs, Colo. (essentially same area as last year with Rock Creek Canyon added; foothills with cottonwood-oak-conifer growth 48%,

farmland and ponds and marsh 18%, suburbs and city parks 24%, rolling plains 10%).—Dec. 21; 8 a.m. to 5 p.m. Overcast with some snow flurries; temp, 27° to 38°; wind mostly N, 0-30 m.p.h.; ground clear, ponds frozen. Twenty-three observers in 12 parties. Total party-hours, 34½ (26½ on foot, 8 by car); total party-miles, 69 (11 on foot, 58 by car). Mallard, 93; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Swainson's Hawk, 1 [no details—Ed.]; Rough-legged Hawk, 1; Golden Eagle, 4; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 14; Killdeer, 4; Wilson's Snipe, 4; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 29; Hairy Woodpecker, 5; Downy Woodpecker, 5; Horned Lark, 173; Steller's Jay, 105; Scrub Jay, 14; Am. Magpie, 329; Am. Crow, 122; Black-capped Chickadee, 18; Mountain Chickadee, 22; Common Bushtit, 12; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 4; Pygmy Nuthatch, 25; Brown Creeper, 2; Cañon Wren, 4; Am. Robin, 70; Townsend's Solitaire, 13; Golden-crowned Kinglet, 34; Gray Shrike, 1; Common Starling, 221; House Sparrow, 701; Western Meadowlark, 90; Red-winged Blackbird, 409; Brewer's Blackbird, 70; Cassin's Finch, 41; House Finch, 357; Pine Siskin, 25; Spotted Towhee, 22; White-winged Junco, 24; Slate-colored Junco, 14; Oregon Junco, 482 (including Pink-sided 351, Shufeldt's 58, Montana 23); Gray-headed Junco, 167; unidentified juncos, 125; Am. Tree Sparrow, 166; White-crowned Sparrow, 71; Song Sparrow, 93; Lapland Longspur, 1. **Total,** 51 species (3 additional subspecies; 4216 individuals. (Seen in area constantly including Dec. 20, 7 Dippers and 1 White-throated Sparrow; seen Dec. 19, 1 Brown Towhee.)— Mrs. T. L. Adams, Mrs. Gilbert Catlett, Mrs. Lavinia Curtis, Mr. & Mrs. Stanley Davis, Edna Dessaint, Mrs. Dickson Leavens, Mrs. Ruth Nelson, Paul Nesbit, Mr. & Mrs. Frank Sample (compiler), Mary Shirer, Mr. & Mrs. George Sinton, Mrs. F. V. Slifer, Marshall Sprague, Dr. & Mrs. Robert M. Stabler, Mr. & Mrs. B. E. Sutton, James Turner, Pearl Turner, Mrs. H. J. Wagner (Aiken Ornithological Society).

396. **Denver and Jefferson County, Colo.** (same area as last year).—Dec. 21; 4:30 a.m. to 5 p.m. Low overcast with intermittent snow 10 a.m. until 2 p.m.; temp. 25° to 40°; wind SE to N, 1-10 m.p.h.; snow accumulating on top of 10-in. old snow in mountains; snow melting as it fell on plains; streams 80% open, most lakes and ponds frozen; Marston Lake 75% frozen. Twenty-seven observers in 13 parties. Total party-hours, 112 (62 on foot, 50 by car); total party-miles, 745 (50 on foot, 695 by car). Pied-billed Grebe, 1; Canada Goose, 241; Mallard, 3739 (3650 est., 89); Gadwall, 45; Am. Widgeon, 32; Pintail, 239; Green-winged Teal, 48; Shoveller, 1; Redhead, 2; Ring-necked Duck, 11; Canvas-back, 1; Am. Golden-eye, 10; Buffle-head, 1; Ruddy Duck, 4; **Hooded Merganser,** 3; Am. Merganser, 51; Red-breasted Merganser, 1; Turkey Vulture, 2 (T.M.); Goshawk, 2; Red-tailed Hawk, 14; Rough-legged Hawk, 3; Ferruginous Hawk, 1; Marsh Hawk, 11; **Prairie Falcon,** 3; Pigeon Hawk, 2; Sparrow Hawk, 10; Ring-necked Pheasant, 198; Am. Coot, 17; Killdeer, 15; Wilson's Snipe, 7; Herring Gull, 2; Ring-billed Gull, 60; Screech Owl, 1; Horned Owl, 5; **Pygmy Owl,** 1 (T.M.); Long-eared Owl, 1 (J.L.C.); Short-eared Owl, 6; Belted Kingfisher, 5; Red-shafted Flicker, 97; Lewis's Woodpecker, 3; **Yellow-bellied Sapsucker,** 1 (S.M.); Hairy Woodpecker, 6; Downy Woodpecker, 7; Horned Lark, 94; Gray Jay, 1 (S.M., P.C.); Steller's Jay, 32; Scrub Jay, 11; **Am. Magpie,** 443; Am. Crow, 228; Clark's Nutcracker, 1 (J.L.C.); Black-capped Chickadee, 63; Mountain Chickadee, 31; White-breasted Nuthatch, 2; Pygmy Nuthatch, 47; Brown Creeper, 7; Am. Dipper, 3; Long-billed Marsh Wren, 3; Cañon Wren, 8; Rock Wren, 1 (C.W.); Am. Robin, 23 (incl. 1 Eastern); **Townsend's Solitaire,** 36; Golden-crowned Kinglet, 8; **Gray Shrike,** 2; Loggerhead Shrike, 1 (R.G., D.M.); Common Starling, 265; House Sparrow, 468; Western Meadowlark, 334; Red-winged Blackbird, 2428 (2385 est., 43); Rusty Blackbird, 1 (J.H.); Brewer's Blackbird, 300 (est.); Cassin's Finch, 23; House Finch, 323; Pine Siskin, 12; Am. Goldfinch, 23; Lesser Goldfinch, 110 (F.K.) [no further details—Ed.]; Red Crossbill, 4; Spotted Towhee, 2; **White-winged Junco,** 13; Slate-colored Junco, 57; Oregon Junco, 307 (incl. 251 Pink-sided); Gray-headed Junco, 81; Am. Tree Sparrow, 606 (350 est., 256); Harris's Sparrow, 4; White-crowned Sparrow, 173; Fox Sparrow, 1 (J.F., H.W.); Song Sparrow, 114. **Total,** 86 species (2 additional subspecies); about 11,604 individuals.—A. Lang Baily, Marion Bee, Phyllis Caswell, John L. Chapin, Mrs. A. H. Crow, David, Gerald, Ted, and Ruth Dement, John Flavin, Robert Glover, James Humphrey, Alma Kirkeby, Ferd Kleinschnitz, Thompson Marsh, Major and Mrs. Robert Massonneau, Donald McLean, M. Brooke and Anna Meanley, Sadie Morrison, Ransom Stone, Donald Thatcher, Harold Webster, Ruth Wheeler, Mr. and Mrs. Charles Wood (Colorado Bird Club).

397. **Durango, Colo.** (south from town to Bondad, 15 miles, principally in Animas River valley, with side trips across Florida Mesa into Florida River valley; scrub oak and pinon 50%, open farmland 15%, cottonwood and willow thickets 10%, sage-brush 25%, elevation 6000 to 7000 ft.).—Dec. 27; 9:30 a.m. to 5:30 p.m. Clear; temp. -1° to 43°; no wind; ground covered with 8-10 in. old crusted snow and topped with 2-5 in. light new snow; ponds frozen, rivers running free and edged with ice. Two observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 94 (4 on foot, 90 by car). Eared Grebe, 1; Mallard, 11; Blue-winged Teal, 1; Redhead, 8; Ring-necked Duck, 1; Canvas-back, 1; Am. Golden-eye, 6; Ruddy Duck, 1; Am. Merganser, 15; Red-breasted Merganser, 2; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Red-shafted Flicker, 2; **Say's Phoebe,** 1; Steller's Jay, 1; Scrub Jay, 10; Am. Magpie, 36; Common Raven, 8; Am. Crow, 77; Piñon Jay, 11; Black-capped Chickadee, 1; Mountain Chickadee, 5; White-breasted Nuthatch, 4; Am. Dipper, 4; Am. Robin, 1; Western Bluebird, 7; Loggerhead Shrike, 1; **Common Starl-**

ing, 1; House Sparrow, 35; Western Meadowlark, 16; Pine Siskin, 30; Am. Goldfinch, 1; Spotted Towhee, 1; Oregon Junco, 319; Gray-headed Junco, 1; Am. Tree Sparrow, 18; White-crowned Sparrow, 16; Song Sparrow, 1. **Total,** 40 species; about 660 individuals. (Observered in area Dec. 25: 1 Red-tailed Hawk, 3 Clark's Nutcrackers.)—Thomas J. Frizell, Oppie Reames.

398. Fort Collins, Colo. (same area as 1948 and subsequent years).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 2.6° to 42.6°; no wind; lakes frozen; ground clear except in mountains. Ten observers in 2 parties. Total party-hours, 15 (5 on foot, 10 by car); total party-miles, 184 (15 on foot, 169 by car). Great Blue Heron, 2; Mallard, 7321; Pintail, 7; Green-winged Teal, 3; Am. Golden-eye, 4; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Ferruginous Hawk, 1; Golden Eagle, 2; Bald Eagle, 3; Marsh Hawk, 9; Prairie Falcon, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 13; Killdeer, 9; Wilson's Snipe, 8; Ring-billed Gull, 1; Short-eared Owl, 4; Belted Kingfisher, 4; Red-shafted Flicker, 30; Lewis's Woodpecker, 4; Yellow-bellied Sapsucker, 1 (P.H.B.); Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 78; Blue Jay, 2; Steller's Jay, 2; Am. Magpie, 144; Am. Crow, 353; Black-capped Chickadee, 47; Mountain Chickadee, 6; Red-breasted Nuthatch, 3; Am. Dipper, 12; Cañon Wren, 5; Am. Robin, 8; Townsend's Solitaire, 6; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1 (P.H.B.); Common Starling, 84; House Sparrow, 182; Western Meadowlark, 17; Red-winged Blackbird, 7; House Finch, 86; Am. Goldfinch, 16; Slate-colored Junco, 10; Oregon Junco, 130; Gray-headed Junco, 1; Am. Tree Sparrow, 562; White-crowned Sparrow, 3; Song Sparrow, 12. **Total,** 51 species (1 additional subspecies); 9226 individuals.—Paul H. Baldwin, Richard G. Beidleman (compiler), Bill Birky, Jack R. Grieb, Retha Grieb, Joseph H. Kutkuhn, John R. Olive, John Olsen, Edward B. Reed, Jack D. Remington (Colorado A & M College).

399. Grand Junction, Colo. (much the same as last year, starting from Main St. thru city parks by oval route along river 10 mi.; beyond Fruita 5 mi., east 2 mi. & back thru side roads, pastures, grain and fruit farms).—Dec. 28; 9 a.m. to 5 p.m. Sunny; temp. 16° to 24°; no wind; no snow. Four observers in 1 party. Total party-hours, 8 (1 on foot 7 by car); total party-miles, 40 (1 on foot, 39 by car). Mallard, 10; Am. Widgeon, 1; Red-tailed Hawk, 1; Marsh Hawk, 10; Sparrow Hawk, 3; Gambel's Quail, 11; Ring-necked Pheasant, 9; Red-shafted Flicker, 7; Lewis's Woodpecker, 5; Horned Lark, 1; Am. Magpie, 67; Am. Robin, 45; Mountain Bluebird, 30; Cedar Waxwing, 11; Loggerhead Shrike, 7; Common Starling, 672; House Sparrow, 400; Western Meadowlark, 71; Red-winged Blackbird, 2800; House Finch, 28; Am. Goldfinch, 285; Oregon Junco, 16; Gray-headed Junco, 20; White-crowned Sparrow, 87; Song Sparrow, 4. **Total,** 25 species; 4601 individuals.—W. D. Ela, Lucy F. Ela, Edna A. Gerken, Mrs. F. S. Carman (compiler).

400. Greeley, Colo. (same area as 1949 and subsequent years).—Dec. 27; 7:15 a.m. to 3:30 p.m. Fair; temp. -4° to 38°; wind NW, 1-5 m.p.h.; very little snow; rivers partly open, all lakes frozen. Five observers in 3 parties. Total party-hours, 20 (14 on foot, 6 by car); total party-miles, 95 (10 on foot, 85 by car). Mallard, 3026 (3000 est., 26); Pintail, 1; Red-tailed Hawk, 6; Golden Eagle, 3; Marsh Hawk, 6; Prairie Falcon, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 104; Killdeer, 6; Wilson's Snipe, 1; Spotted Sandpiper, 1 (observed carefully at 20 ft., noted several times recently—K.T.); Herring Gull, 2; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 38; Downy Woodpecker, 2; Horned Lark, 143; Am. Magpie, 109; Common Raven, 4; Black-capped Chickadee, 19; Brown Creeper, 2; Am. Robin, 1; Cedar Waxwing, 3; Gray Shrike, 1; Common Starling, 597; House Sparrow, 518; Western Meadowlark, 80; Red-winged Blackbird, 1039; House Finch, 51; Am. Goldfinch, 22; Slate-colored Junco, 1; Oregon Junco, 32; Am. Tree Sparrow, 147; White-crowned Sparrow, 7; Song Sparrow, 10. **Total,** 35 species; about 5989 individuals. (Seen in area Dec. 24: Blue Jay, 1.)—Mrs. Carl N. Collister (compiler), Mrs. R. L. Meager, Mr. and Mrs. Kenneth Tegtman, Olive Irene Walker.

401. Idaho Springs, Colo. (7½-mile radius centering on junction of routes U.S. 6 and 40, and including Echo Lake, Chicago Creek, Idaho Springs, Clear Creek, Georgetown, Silver Plume, and St. Mary's Glacier, elevation 7500 feet to 11,000 feet; towns and suburbs 15%, mountain valleys 50%, evergreen slopes 35%).—Dec. 27; 7 a.m. to 4:30 p.m. Clear; temp. 4° to 40°; wind NW to W at dawn, 18-2 m.p.h.; 15-in. snow on ground, lightly crusted; 90% of streams frozen. Seven observers in 4 parties. Total party-hours, 29 (17 on foot, 12 by car); total party-miles, 133 (17 on foot, 116 by car). Golden Eagle, 2; **White-tailed Ptarmigan,** 5; Red-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 5; **Three-toed Woodpecker,** 1; **Gray Jay,** 8; Steller's Jay, 42; Am. Magpie, 26; Common Raven, 7; **Clark's Nutcracker,** 31; Black-capped Chickadee, 9; **Mountain Chickadee,** 156; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 4; Brown Creeper, 1; Am. Dipper, 1; Am. Robin, 2; **Townsend's Solitaire,** 33; Golden-crowned Kinglet, 9; Pine Grosbeak, 9; Pine Siskin, 101; Red Crossbill, 24; unidentified finches, 50 (est.); White-winged Junco, 4; Slate-colored Junco, 9; Oregon Junco, 15 (Pink-sided, 2); Gray-headed Junco, 41; unidentified juncos, 26; Am. Tree Sparrow, 10. **Total,** 29 species (1 additional subspecies); about 641 individuals. (Seen in area Jan. 10, 1953: Pygmy Owl, 2.)—A. L. Baily (compiler), J. L. Chapin, J. W. Flavin, R. E. Glover, D. A. McLean, Jr., R. W. Moody, D. M. Thatcher (Colorado Bird Club).

402. Longmont, Colo. (same area as last year).—Dec. 20; 7:15 a.m. to 4:30 p.m. Partly clear, becoming cloudy; temp. 22° to 40°; no wind; ground

bare; rivers and seepage ditches open, some open water at Union Reservoir and Ballard Lake, other lakes frozen. Two observers in 2 parties. Total party-hours, 15½ (5 on foot, 10½ by car); total party-miles, 98 (5 on foot, 93 by car). Great Blue Heron, 1; Mallard, 10,507 (10,500 est., 7); Pintail, 4; Am. Golden-eye, 5; Am. Merganser, 4; Red-tailed Hawk, 2; Rough-legged Hawk, 4; Marsh Hawk, 5; Sparrow Hawk, 4; Ring-necked Pheasant, 36; Killdeer, 2; Herring Gull, 22; Barn Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 29; Downy Woodpecker, 2; Lewis's Woodpecker, 3; Horned Lark, 65; Am. Magpie, 192; Am. Crow, 199; Black-capped Chickadee, 15; Am. Dipper, 1; Common Starling, 385; Myrtle Warbler, 1 (seen daily through week of count—J.H.A.); House Sparrow, 506; Western Meadowlark, 96; Red-winged Blackbird, 4300 (est.); Rusty Blackbird, 1 (close range—C.H.C.); House Finch, 42; Am. Goldfinch, 6; Oregon Junco, 11; Am. Tree Sparrow, 341; Chipping Sparrow, 4 [no details—Ed.]; White-crowned Sparrow, 65; Song Sparrow, 37. **Total,** 35 species; about 16,899 individuals. (Seen in area during week of count: Hairy Woodpecker, Western Palm Warbler, J.H.A.)—Jay H. Arnold, Mrs. Carl N. Collister (compiler).

403. Lyons, Colo. (same area as last year and previously; farmland 25%, cottonwood creek bottoms 30%, Blue Spruce creek bottoms 15%, Ponderosa Pine-Douglas Fir 30%).—Dec. 28; 7 a.m. to 4:30 p.m. Partly cloudy; temp. 10° to 50°; no wind; reservoirs and ponds frozen; streams mostly open on plains, becoming frozen in foothills; 2-6 inches of snow on ground. Three observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 70 (8 on foot, 62 by car). Great Blue Heron, 1; Mallard, 2; Rough-legged Hawk, 1; Golden Eagle, 2; Ring-necked Pheasant, 7; Killdeer, 4; Wilson's Snipe, 7; Belted Kingfisher, 5; Red-shafted Flicker, 44; Downy Woodpecker, 1; Steller's Jay, 2; Am. Magpie, 57; Common Raven, 5; Black-capped Chickadee, 32; Mountain Chickadee, 7; Red-breasted Nuthatch, 1; Am. Dipper, 7; Cañon Wren, 1; Golden-crowned Kinglet, 17; Common Starling, 26; House Sparrow, 26; Western Meadowlark, 28; House Finch, 5; Am. Goldfinch, 18; Spotted Towhee, 1; Slate-colored Junco, 1; Oregon Junco, 91 (inc. 84 Pink-sided); undifferentiated juncos, 13; Am. Tree Sparrow, 111; Song Sparrow, 2. **Total,** 29 species (1 additional subspecies); 525 individuals.—Mrs. H. M. Kingery, Karl Kingery, Hugh E. Kingery.

404. Rocky Mountain National Park, Colo. (7½-mile radius centering one mile west of Estes Park village on Fall River Road [U.S. 34], including all accessible areas in Rocky Mountain National Park as well as approach highways to the east and south, elevation 7500 to 10,800 feet; grassland 15%, Ponderosa Pine-Douglas Fir forest 30%, Englemann Spruce-Alpine Fir-Lodgepole Pine forest 30%, aspen 5%, Blue Spruce creek bottoms 5%, deciduous creek bottoms 10%, town and suburbs 5%).—Dec. 26; 7 a.m. to 4:30 p.m. Clear; temp. 5° to 25°; wind W to NW, 15-25 m.p.h. at lower elevations, up to 50 m.p.h. at 10,000 ft.; ground covered with up to 10 in. of crusted snow at lower elevations, and 2-4 feet at higher elevations; all streams frozen except parts of Big Thompson and Fall Rivers; Marys Lake and part of Lake Estes also open. Three observers in 2 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 105 (15 on foot, 90 by car). Red-tailed Hawk, 1; Bald Eagle, 1 (seen flying above Fall River from Rainbow Curve on Trail Ridge Road—H.E.K.); Hairy Woodpecker, 1; Steller's Jay, 21; Am. Magpie, 7; Common Raven, 9; Clark's Nutcracker, 1; Black-capped Chickadee, 21; Mountain Chickadee, 77; White-breasted Nuthatch, 4; **Pygmy Nuthatch,** 153; Townsend's Solitaire, 2; Golden-crowned Kinglet, 3; Gray-crowned Rosy Finch, 13; Pine Siskin, 1; Slate-colored Junco, 7; Oregon Junco, 6 (inc. 5 Pink-sided); Gray-headed Junco, 1; undifferentiated juncos, 9; Am. Tree Sparrow, 6. **Total,** 20 species (1 additional subspecies); 344 individuals.—Richard G. Beidleman, Hugh E. Kingery, Dietrich Meyerhofer.

405. Bitter Lake Nat'l. Wildlife Refuge, Roswell, N. Mex. (same refuge area that was covered in 1950 then along road to highway #70, by roads northeast side of Roswell and campus of New Mexico Military Institute; ponds and dikes 70%, tamarisk thickets 5%, grassy upland 5%, irrigated farmland 18%, campus 2%).—Dec. 23; 6:15 a.m. to 5:20 p.m. Clear; temp. 21° to 50°; wind N, 7-10 m.p.h.; ice on ponds around the edges, ditches mostly open. Five observers in 2 parties. Total party-hours, 16 (3 on foot, 13 by car); total party-miles, 58 (3 on foot, 55 by car). Eared Grebe, 1; Pied-billed Grebe, 30; Great Blue Heron, 35; Am. Egret, 7; Black-crowned Night Heron, 9; Am. Bittern, 2; Canada Goose, 220; Snow Goose, 31; Blue Goose, 5; Mallard, 13,795; Gadwall, 6; Am. Widgeon, 9505; Pintail, 2200; Green-winged Teal, 5; Shoveller, 86; Canvasback, 1403; Lesser Scaup, 5; Am. Golden-eye, 9; Buffle-head, 21; Ruddy Duck, 164; Am. Merganser, 10; Red-tailed Hawk, 5; Golden Eagle, 1; Marsh Hawk, 11; Sparrow Hawk, 9; Scaled Quail, 43; Sandhill Crane (Little Brown), 13,477; Am. Coot, 2212; Killdeer, 3; Wilson's Snipe, 1; Spotted Sandpiper, 1 (R.J.F.); Greater Yellow-legs, 5; Ring-billed Gull, 875; Mourning Dove, 75; Road-runner, 2; Horned Owl, 1; Burrowing Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1 (R.H., J.H.S.); Red-shafted Flicker, 11; Say's Phoebe, 6; Horned Lark, 35; Bewick's Wren, 2; Long-billed Marsh Wren, 5; Water Pipit, 2; Loggerhead Shrike, 8; Common Starling, 5000; Audubon's Warbler, 1; House Sparrow, 28,000; Western Meadowlark, 63; Red-winged Blackbird, 20; Brewer's Blackbird, 550; Brown-headed Cowbird, 510; House Finch, 2; Lesser Goldfinch, 1; Savannah Sparrow, 6; **Leconte's Sparrow,** 2 (R.J.F.); Sage Sparrow, 7; Oregon Junco, 5; White-crowned Sparrow (Gambel's), 40; Lincoln's Sparrow, 2; Swamp Sparrow, 6; Song Sparrow, 42. **Total,** 63 species; 78,600 individuals. (Seen in area during census period: Double-crested Cormorant, Ring-necked Duck, Mockingbird, Boat-

tailed Grackle, Red-breasted Merganser, Ring-necked Pheasant, Am. Robin.)—Raymond J. Fleetwood (compiler), Ray Hunter, Maj. James H. Sikes, Robert W. Thoeson, Delbert L. Boggs.

406. Bosque del Apache Nat'l. Wildlife Refuge, San Antonio, N. Mex. (area around Headquarters and that part of refuge that lies between the Rio Grande River and highway #85; the north and south boundaries of the refuge; along highway #85 to San Antonio then ½ mile north along riverside dike; ponds & dikes 65%, creosote-mesquite upland 15%, irrigated farmland 15%, cottonwood-willow-tamarisk 5%).—Dec. 21; 6:30 a.m. to 5:30 p.m. Overcast, clearing in p.m.; temp. 31° to 50°; wind W shifting to S, 13-18 m.p.h.; ice on ponds around the edges, ditches open. Five observers in 2 parties. Total party-hours, 18 (5 on foot, 13 by car); total party-miles, 70 (5 on foot, 65 by car). Pied-billed Grebe, 6; Great Blue Heron, 20; Black-crowned Night Heron, 7; Whistling Swan, 13; Canada Goose, 3150; Snow Goose, 245; Blue Goose, 2; Mallard, 70,418 (60,850 est., 9568); Gadwall, 125; Am. Widgeon, 75; Pintail, 23,955 (18,810 est., 5145); Green-winged Teal, 302; Shoveller, 65; Redhead, 3; Ring-necked Duck, 44; Canvas-back, 46; Lesser Scaup, 18; Am. Goldeneye, 4; Buffle-head, 13; Am. Merganser, 49; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 15; Rough-legged Hawk, 1; Golden Eagle, 3; Marsh Hawk, 24; Pigeon Hawk, 1; Sparrow Hawk, 8; Gambel's Quail, 65 (3 coveys); Ring-necked Pheasant, 22; Sandhill Crane, 310; Florida Gallinule, 1; Am. Coot, 786; Killdeer, 2; Wilson's Snipe, 3; Greater Yellow-legs, 1; Ring-billed Gull, 9; Mourning Dove, 43; Road-runner, 2; Horned Owl, 2; Belted Kingfisher, 3; Red-shafted Flicker, 23; Ladder-backed Woodpecker, 7; **Eastern Phoebe,** 1 (observed with Black and Say's Phoebes; black bill, indistinct wing bars, contrast of blackish head with grayish-olive back, yellowish underparts—R.J.F., J.F.); Black Phoebe, 1; Say's Phoebe, 10; Scrub Jay, 1; Am. Magpie, 4; Long-billed Marsh Wren, 10; Western Bluebird, 5; Ruby-crowned Kinglet, 2; Water Pipit, 8; Loggerhead Shrike, 11; Common Starling, 81; Audubon's Warbler, 4; House Sparrow, 65; Western Meadowlark, 50; Yellow-headed Blackbird, 102; Red-winged Blackbird, 75,148 (73,588 est., 1560); Brewer's Blackbird, 125; House Finch, 55; Green-backed Towhee, 13; Spotted Towhee, 14; Brown Towhee, 1; Savannah Sparrow, 15; Vesper Sparrow, 74; Sage Sparrow, 1; Oregon Junco, 18 (including Pink-sided, 1); Brewer's Sparrow, 2; Gambel's Sparrow, 1210; Swamp Sparrow, 1; Song Sparrow, 39. **Total,** 72 species (1 additional subspecies); 176,970 individuals. (Seen in area during the period: Am. Egret, Am. Bittern, Burrowing Owl, Yellow-bellied Sapsucker, Common Raven, Rock Wren, Am. Robin, Boat-tailed Grackle, McCown's Longspur.)—Raymond J. Fleetwood (compiler), Russell W. Clapper, Dr. Homer S. Musgrave, Jerry Freeman, Mrs. Josephine Caress.

407. Coronado Nat'l. Forest (Hidalgo Co.), N. Mex. (7½-mile radius centering at old Cloverdale store building, north to Eicks, Gray's ranches, west to headquarters of Pendleton ranch; Live Oak-juniper 50%, mesquite uplands 5%, ponds and marsh areas 10%, grama grass grazing land 35%).—Dec. 27; 7 a.m. to 5:15 p.m. Overcast, clearing in p.m.; temp. 26° to 53°; wind S, 10-15 m.p.h.; ground slightly frozen, snow in spots on northern exposures. Two observers in 1 party. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 55 (7 on foot, 48 by car). Great Blue Heron, 1; **Green Heron,** 1; Mallard, 40; Mexican Duck, 3; Am. Widgeon, 5; Pintail, 6; Green-winged Teal, 19; Red-tailed Hawk, 3; Ferruginous Hawk, 1; Golden Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 6; Scaled Quail, 59 (4 coveys); Killdeer, 10; Wilson's Snipe, 6; Mourning Dove, 770; Road-runner, 1; Horned Owl, 4; Red-shafted Flicker, 10; Acorn Woodpecker, 3; Yellow-bellied Sapsucker (Red-naped), 3; Ladder-backed Woodpecker, 6; Arizona Woodpecker, 2; Black Phoebe, 2; Say's Phoebe, 11; Horned Lark, 500; Scrub Jay, 2; Arizona Jay, 148; Common Raven, 2; Plain Titmouse, 7; Bridled Titmouse, 7; Common Bushtit, 6; Bewick's Wren, 4; Cactus Wren, 10; Long-billed Marsh Wren, 2; Rock Wren, 1; Curve-billed Thrasher, 6; Western Bluebird, 3; Ruby-crowned Kinglet, 7; Water Pipit, 5; Loggerhead Shrike, 12; House Sparrow, 91; Western Meadowlark, 199; Red-winged Blackbird, 1198; Brewer's Blackbird, 408; Brown-headed Cowbird, 6; House Finch, 212; Brown Towhee, 15; Lark Bunting, 12; Vesper Sparrow, 185; Desert Sparrow, 30; Oregon Junco, 36 (including Pink-sided, 18); Gray-headed Junco, 21; Chipping Sparrow, 98; Brewer's Sparrow, 67; White-crowned Sparrow (Gambel's), 2; Song Sparrow, 3; McCown's Longspur, 73; Chestnut-colored Longspur, 2. **Total,** 59 species (1 additional subspecies); 4358 individuals. (Seen in area Dec. 28: Cooper's Hawk, 1; Sage Sparrow, 2.)—Raymond J. Fleetwood (compiler), Jerry Freeman.

408. San Andres National Wildlife Refuge, N. Mex. (3-mile radius centering around water at Rope Springs, 36 miles northeast from Las Cruces, Dona Ana Co., elevation 5800 ft.; semi-desert vegetation).—Dec. 22; 7:20 a.m. to 4:50 p.m. Clear; temp. 18° to 51°; wind W, 3 m.p.h. Four observers in 1 party. Total party-hours, 9 (on foot); total party-miles, 6 (on foot). Cooper's Hawk, 1; Red-tailed Hawk, 3; Golden Eagle, 4; Scaled Quail, 5; Red-shafted Flicker, 3; Arizona Jay, 6; Verdin, 1; Cañon Wren, 2; Rock Wren, 2; Mockingbird, 2; Curve-billed Thrasher, 3; Crissal Thrasher, 8; Am. Robin, 2; Hermit Thrush, 4; Western Bluebird, 19; Townsend's Solitaire, 8; Black-tailed Gnatcatcher, 2; Ruby-crowned Kinglet, 7; Loggerhead Shrike, 2; Pyrrhuloxia, 8; Purple Finch, 3; House Finch, 106; Spotted Towhee, 2; Brown Towhee, 17; Rufous-crowned Sparrow, 2; Slate-colored Junco, 4; Gray-headed Junco, 3; Brewer's Sparrow, 18; White-crowned Sparrow, 20. **Total,** 29 species; 267 individuals.—Cecil A. Kennedy (compiler), Johnithan J. Norris, R. R. Yoe, Doyle Day.

409. Socorro, N. Mex. (vicinity of McAlister Lake, Pueblito, Escondida, irrigated farmland between Socorro and Escondida, highway #60 to Box Canyon, returning to Socorro via highway #60 thence to Hope farm and along riverside dike and disposal plant to Socorro).—Dec. 20; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 25° to 53°; wind S, 4-6 m.p.h.; ground slightly frozen, thin ice along edges of pond and ditches. Two observers in 1 party. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 24 (6 on foot, 18 by car). Great Blue Heron, 3; Canada Goose, 698; Mallard, 1109; Am. Widgeon, 99; Pintail, 150; Green-winged Teal, 37; Shoveller, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 6; Red-tailed Hawk, 8; Marsh Hawk, 4; Sparrow Hawk, 17; Gambel's Quail, 17; Ring-necked Pheasant, 4; Sandhill Crane, 26; Killdeer, 1; Ring-billed Gull, 12; Mourning Dove, 17; Road-runner, 4; Screech Owl, 1; Red-shafted Flicker, 24; Ladder-backed Woodpecker, 7; **Eastern Phoebe,** 1 (well seen; see also count #406); Horned Lark, 2; Say's Phoebe, 18; Scrub Jay, 2; Common Raven, 2; Mountain Chickadee, 1; Plain Titmouse, 1; Bushtit, 35; White-breasted Nuthatch, 3; Bewick's Wren, 5; Long-billed Marsh Wren, 1; Rock Wren, 1; **Mocking-bird,** 1; Am. Robin, 3; Western Bluebird, 13; Mountain Bluebird, 52; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 5; Water Pipit, 113; Loggerhead Shrike, 6; Common Starling, 358; Audubon's Warbler, 1; House Sparrow, 280; Eastern Meadowlark, 1; Western Meadowlark, 92; Red-winged Blackbird, 35,000; Brewer's Blackbird, 30; Boat-tailed Grackle, 32; House Finch, 15; Green-backed Goldfinch, 7; Green-tailed Towhee, 2; Spotted Towhee, 8; Brown Towhee, 4; Savannah Sparrow, 14; Vesper Sparrow, 29; Sage Sparrow, 4; Oregon Junco, 41 (including Pink-sided, 4); Gray-headed Junco, 1; Chipping Sparrow, 10; Brewer's Sparrow, 12; White-crowned Sparrow (Gambel's), 674; Song Sparrow, 15. **Total,** 64 species (1 additional subspecies); 39,147 individuals.—Raymond J. Fleetwood (compiler), Mrs. Josephine Caress.

410. Virden, N. Mex. (7½-mile radius near Virden where N. Mex. state route #82 crosses Gila River; cultivated farmland 20%, cottonwood-willow river banks 10%, Yucca, Creosote Bush and desert scrub 70%).—Dec. 25; 9 a.m. to 5 p.m. Bright and clear; temp. 24° to 52°; wind 2-4 m.p.h. One observer. Total hours, 8 (6 on foot, 2 by car); total miles, 25 (5 on foot, 20 by car). Canada Goose, 11; Mallard, 22; Gadwall, 2; Pintail, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Swainson's Hawk, 2; Ferruginous Hawk, 2; Marsh Hawk, 7; Peregrine Falcon, 1; Sparrow Hawk, 11; Gambel's Quail, 325; Ring-necked Pheasant, 2; Sandhill Crane, 7; Killdeer, 3; Mourning Dove, 575; Road-runner, 1; Horned Owl, 2; Red-shafted Flicker, 14; Gila Woodpecker, 5; Ladder-backed Woodpecker, 2; Say's Phoebe, 2; Horned Lark, 19; Scrub Jay, 2; White-necked Raven, 4; Verdin, 5; Common Bushtit, 21; House Wren, 4; Bewick's Wren, 9; Rock Wren, 2; Crissal Thrasher, 4; Western Bluebird, 19; Ruby-crowned Kinglet, 13; Water Pipit, 15; Loggerhead Shrike, 10; Audubon's Warbler, 6; House Sparrow, 72; Western Meadowlark, 27; Brewer's Blackbird, 31; Cardinal, 3; House Finch, 42; Lesser Goldfinch, 8; Green-tailed Towhee, 12; Spotted Towhee, 2; Brown Towhee, 2; Abert's Towhee, 19; Savannah Sparrow, 9; Vesper Sparrow, 3; Oregon Junco, 20 (including Pink-sided, 5); Chipping Sparrow, 2; Brewer's Sparrow, 7; White-crowned Sparrow, 950; Lincoln's Sparrow, 6; Song Sparrow, 29. **Total,** 55 species, 2380 individuals. (Seen in area Dec. 26: Golden Eagle, 1; Scaled Quail, 14; Red-winged Blackbird, 21; Lark Bunting, 67; Black-throated Sparrow, 25; Sage Sparrow, 33.)—Karl W. Haller.

411. Lewiston, Idaho (7½-mile radius from center of town, and including the banks of the Clearwater and Snake Rivers, adjacent stream bottoms, open range land, cultivated fields, and the irrigation reservoir east of Lewiston Orchards).—Dec. 21; 8 a.m. to 3:30 p.m. Partly cloudy with snow flurries; temp. 33° to 39°; wind SW, 20 m.p.h. in the morning; almost calm in the afternoon; ground bare. Three observers in 1 party. Total party-hours, 7½ (3 on foot, 4½ by car); total party-miles, 35 (5 on foot, 30 by car). Canada Goose, 32; Mallard, 10,000+; Am. Widgeon, 16; Pintail, 10; Green-winged Teal, 2; Redhead, 4; Canvas-back, 10; Lesser Scaup, 4; Am. Golden-eye, 15; Ruddy Duck, 1; Am. Merganser, 3; Marsh Hawk, 3; European Partridge, 18; California Quail, 40; Ring-necked Pheasant, 220; Am. Coot, 6; Killdeer, 16; Ring-billed Gull, 5; Belted Kingfisher, 2; Red-shafted Flicker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 1; Am. Magpie, 23; Black-capped Chickadee, 35; Mountain Chickadee, 3; Chestnut-backed Chickadee, 1; Brown Creeper, 1; Am. Robin, 430+; Golden-crowned Kinglet, 6; Gray Shrike, 3; Audubon's Warbler, 12; House Sparrow, 60; Western Meadowlark, 22; Red-winged Blackbird, 130; Brewer's Blackbird, 200; House Finch, 130; Am. Goldfinch, 135; Slate-colored Junco, 1; Oregon Junco, 68; Am. Tree Sparrow, 6; White-crowned Sparrow, 15; Song Sparrow, 15. **Total,** 42 species; 11,715+ individuals.—Thomas D. Burleigh (compiler), Lief Verner, Jerry Verner.

412. Moscow (Latah Co.), Idaho (7-mile radius centered at Moscow including Robinson Lake and the city's disposal unit; open fields with streams supporting willow growth 50%, coniferous forest 35%, residential area 15%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear to hazy; temp. 25° to 30°; light NW breeze; thin crust of snow and all water was frozen over. Two observers together. Total hours, 8; total miles, 60 (7 on foot, 53 by car). Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 17; Killdeer, 8; Short-eared Owl, 4; Red-shafted Flicker, 11; Hairy Woodpecker, 1; Steller's Jay, 4; Am. Magpie, 32; Black-capped Chickadee, 15; Pygmy Nuthatch, 4; Brown Creeper, 4; Am. Robin, 150+; Varied Thrush, 1; Townsend's Solitaire, 2; Golden-crowned Kinglet, 16; Bohemian Waxwing, 16; Cedar Waxwing, 1; Gray Shrike, 2; Common Starling, 4; House Sparrow, 260+; Western Meadowlark, 2; Evening Grosbeak, 3; House Finch,

38; Am. Goldfinch, 6; Oregon Junco, 116; Am. Tree Sparrow, 10; White-crowned Sparrow, 1; Song Sparrow, 11. **Total,** 29 species; 741+ individuals. (Seen in count area Dec. 26 and 27: Winter Wren, 1; Pine Siskin, 12.)—J. Raeder, J. Verner (compiler).

413. **Roosevelt (Duchesne Co.), Utah** (same as for 1950).—Dec. 23; 7 a.m. to 4 p.m. Clear, clouds on horizon; temp. 0° to 25°; no wind; 3 to 4 in. snow covered the ground; river partially frozen, all other small running streams open, still water frozen. Four observers, in 2 parties. Total party-hours, 18 (7 on foot, 11 by car); total party-miles, 154 (9 on foot, 145 by car). Great Blue Heron, 1; Mallard, 108; Red-tailed Hawk, 5; Swainson's Hawk, 1 [no details—Ed.]; Rough-legged Hawk, 2; Ferruginous Hawk, 1; Golden Eagle, 1; Marsh Hawk, 8; Prairie Falcon, 1; Sparrow Hawk, 8; Ring-necked Pheasant, 182; Killdeer, 3; Short-eared Owl, 3; Red-shafted Flicker, 17; Downy Woodpecker, 1; Horned Lark, 126; Am. Magpie, 218; Am. Crow, 26; Black-capped Chickadee, 2; Mountain Chickadee, 6; Long-billed Marsh Wren, 15; Am. Robin, 62; Mountain Bluebird, 13; Cedar Waxwing, 1; Loggerhead Shrike, 2; Common Starling, 1268; House Sparrow, 842; Western Meadowlark, 33; Red-winged Blackbird, 1294; Brewer's Blackbird, 17; Pine Siskin, 4; Am. Goldfinch, 11; Oregon Junco, 31; Am. Tree Sparrow, 211; White-crowned Sparrow, 109; Song Sparrow, 85. **Total,** 36 species; 4718 individuals.—Don N. Crittenden, Rlynn Cook, Reed Harrison, Merlin L. Killpack.

414. **Salt Lake City, Utah** (7½-mile radius centering in Temple Square; canyons & contiguous bench lands 50%, water courses, ponds & open country 40%, city parks, cemeteries & suburban areas 10%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Clear & warm; temp. 36° to 45°; no wind; sun-facing slopes and valley floor bare, snow 1 in. to 2 ft. in hill areas; all ponds frozen; streams open. Thirty-nine observers in 13 parties. Total party-hours, 100; total party-miles, 149 (66 on foot, 83 by car). Pied-billed Grebe, 6; Great Blue Heron, 6; Black-crowned Night Heron, 2; Canada Goose, 41; Snow Goose, 50; Mallard, 623; Gadwall, 7; Am. Widgeon, 91; Pintail, 365; Green-winged Teal, 77; Shoveller, 169; Redhead, 3; Ruddy Duck, 1; Am. Merganser, 6; Goshawk, 2; Sharp-shinned Hawk, 13; Cooper's Hawk, 4; Red-tailed Hawk, 10; Swainson's Hawk, 1 (B.S.); Rough-legged Hawk, 5; Ferruginous Hawk, 2; Golden Eagle, 6; Bald Eagle, 1; Marsh Hawk, 32; Prairie Falcon, 2; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 28; Blue Grouse, 1; Ruffed Grouse, 5; California Quail, 1009; Ring-necked Pheasant, 495; Sora, 1; Am. Coot, 12; Killdeer, 119; Wilson's Snipe, 26; Herring Gull, 3; California Gull, 243; Ring-billed Gull, 482; Mourning Dove, 264; Screech Owl, 4; Horned Owl, 6; Long-eared Owl, 1; Short-eared Owl, 6; Saw-whet Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 161; Lewis's Woodpecker, 9; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 20; Horned Lark, 124; Scrub Jay, 52; Am. Magpie, 64; Common Raven, 23; Black-capped Chickadee, 178; Mountain Chickadee, 8; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 16; Am. Dipper, 8; Winter Wren, 1; Long-billed Marsh Wren, 31; Am. Robin, 1185; Hermit Thrush, 2; Townsend's Solitaire, 11; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 23; Water Pipit, 70; Bohemian Waxwing, 110; Cedar Waxwing, 24; Gray Shrike, 4; Loggerhead Shrike, 1; Common Starling, 8874; Audubon's Warbler, 1; House Sparrow, 4690; Western Meadowlark, 136; Red-winged Blackbird, 2279; Brewer's Blackbird, 2488; Evening Grosbeak, 15; Cassin's Finch, 17; House Finch, 699; Gray-crowned Rosy Finch, 650; Black Rosy Finch, 2650; Pine Siskin, 25; Am. Goldfinch, 119; Spotted Towhee, 193; Slate-colored Junco, 2; Oregon Junco, 868 (Oregon, 834; Pink-sided, 34); Gray-headed Junco, 9; Am. Tree Sparrow, 46; Harris's Sparrow, 1; White-crowned Sparrow, 245 (including 218 Gambel's); Fox Sparrow, 2; Song Sparrow, 139. **Total,** 95 species (2 additional subspecies); 30,522 individuals.—William A. Bader, Fern Bell, William H. Behle & family, O. L. Byers, M. R. Cheesman, Mr. & Mrs. T. A. Dewey, Thayer Evans, Reed Ferris, Elsie Geoghegan, Lucile Gilmer, Mrs. Betty Jones, Harold Lamb, Mr. & Mrs. C. W. Lockerbie (compilers), Janet Myrberg, Frank Openshaw, Jane Reavis, Mr. & Mrs. Boyd Shaffer, Rex B. Snow, J. M. Stevens, Mr. & Mrs. S. L. Tainter, Kenneth Tanner, Dr. & Mrs. B. L. Vandermeer & son, Bert Webb, Ellis R. Wilson & two sons, Mrs. Jane Worthington, Garrett Steenblick, Gayle Gillespie, Kenneth Larsen.

415. **Flagstaff, Ariz.** (7½-mile radius, centering on Bottomless Pits, including Walnut Canyon National Monument and part of Lake Mary; open Ponderosa Pine forest 60%, Piñon Pine-Juniper association 20%, mostly frozen lake 20%).—Dec. 28; 7:15 a.m. to 5:15 p.m. Clear, but increasing cloudiness to overcast in late p.m.; 12° to 36°; no appreciable wind; ground partially covered with average of 3-in. snow. Five observers in 4 parties. Total party-hours, 27 (22 on foot, 5 by car); total party-miles, 63 (7 on foot, 56 by car). Pintail, 6; Canvas-back, 350 (±75); Lesser Scaup, 10; Ruddy Duck, 16; Am. Merganser, 1; Sparrow Hawk, 1; Mourning Dove, 3; Red-shafted Flicker, 4; Yellow-bellied Sapsucker (Red-naped), 1; Steller's Jay, 14; Scrub Jay, 5; Common Raven, 1; Am. Crow, 21; Piñon Jay, 18; Mountain Chickadee, 10; Plain Titmouse, 1; White-breasted Nuthatch, 5; Pygmy Nuthatch, 35; Cañon Wren, 1; Am. Robin, 11; Western Bluebird, 40; Mountain Bluebird, 2; Townsend's Solitaire, 8; Cassin's Finch, 16; Pine Siskin, 134 (±10); Spotted Towhee, 1; Slate-colored Junco, 1; Oregon Junco, 95; Gray-headed Junco, 41 (Gray-headed, 25; Red-backed, 16). **Total,** 29 species (1 additional subspecies); 852 individuals.—Jack Bunch, Mrs. Allen G. Hely, Mrs. O. V. Maddox, Mr. and Mrs. Robert W. Pugh (compiler).

416. **Havasu Lake National Wildlife Refuge, Topock, Ariz.** (Arizona portion of refuge above Topock, but not including area west of old dike

opposite 5-Mile Landing; open cattail-bulrush marsh 40%, open water 20%, desert brush 35%, miscellaneous 5%).—Dec. 28; 7:15 a.m. to 5:40 p.m. Partly cloudy; temp. 32° to 52°; wind N, 1-5 m.p.h.; water levels very high. One observer. Total hours, 10½ (5½ on foot, 5 by boat); total miles, 21 (4 on foot, 17 by boat). Eared Grebe, 6; Western Grebe, 1; Pied-billed Grebe, 16; Double-crested Cormorant, 57; Great Blue Heron, 41; Am. Egret, 15; Snowy Egret, 1; Canada Goose, 507; Snow Goose, 1337 (1200 est., 137); Mallard, 54; Gadwall, 65; Am. Widgeon, 15; Green-winged Teal, 893 (850 est., 43); Shoveller, 6; Redhead, 25; Ring-necked Duck, 47; Am. Golden-eye, 1; Buffle-head, 10; Ruddy Duck, 41; Hooded Merganser, 1; Am. Merganser, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Harris's Hawk, 22; Marsh Hawk, 11; Sparrow Hawk, 1; Gambel's Quail, 33; Sora, 4; Am. Coot, 3258 (2610 est., 648); Killdeer, 4; Ring-billed Gull, 6; Horned Owl, 3; White-throated Swift, 4; Belted Kingfisher, 9; Red-shafted Flicker, 11; Gila Woodpecker, 5; Ladder-backed Woodpecker, 4; Black Phoebe, 4; Say's Phoebe, 2; Vermilion Flycatcher, 3; Tree Swallow, 182; Common Raven, 4; Verdin, 2; House Wren, 1; Bewick's Wren, 3; Long-billed Marsh Wren, 8; Mockingbird, 4; Crissal Thrasher, 4; Black-tailed Gnatcatcher, 19; Ruby-crowned Kinglet, 15; Water Pipit, 3; Phainopepla, 10; Loggerhead Shrike, 6; Orange-crowned Warbler, 6; Myrtle Warbler, 1 (ad ♂); Audubon's Warbler, 52; Common Yellowthroat, 5; House Sparrow, 26; Western Meadowlark, 2; Red-winged Blackbird, 3; Brewer's Blackbird, 27; Abert's Towhee, 6; Sage Sparrow, 1; Chipping Sparrow, 1; White-crowned Sparrow, 10; Song Sparrow, 28. **Total,** 67 species; about 6959 individuals. (Seen in area Dec. 27: Golden Eagle, 1.)—Gale Monson.

417. **Parker, Ariz.** (Colorado River Indian Reservation; south to Trading Post and Valley School, north to Headgate Rock Dam and Osborne Wash; weedy irrigated fields and canals 70%, river and riparian brush 20%, open desert 10%).—Dec. 24; 6:50 a.m. to 5:50 p.m. High thin cloudiness; temp. 28° to 60°; calm. One observer. Total hours, 11 (4 on foot, 7 by car); total miles, 60 (4 on foot, 56 by car). Pied-billed Grebe, 9; Great Blue Heron, 3; Am. Egret, 5; Black-crowned Night Heron, 2; Canada Goose, 22; Mallard, 168; Am. Widgeon, 2; Pintail, 56; Green-winged Teal, 2; Am. Golden-eye, 6; Buffle-head, 1; Turkey Vulture, 22; Cooper's Hawk, 3; Red-tailed Hawk, 9; Ferruginous Hawk, 1; Marsh Hawk, 13; Prairie Falcon, 2; Sparrow Hawk, 17; Gambel's Quail, 212; Sora, 3; Florida Gallinule, 6; Am. Coot, 144; Killdeer, 388; Ring-billed Gull, 1; Mourning Dove, 124; Inca Dove, 6; Road-runner, 16; Short-eared Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 12; Gilded Flicker, 1; Gila Woodpecker, 15; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 5; Ash-throated Flycatcher, 1; Black Phoebe, 15; Say's Phoebe, 25; Vermilion Flycatcher, 3; Horned Lark, 16; Tree Swallow, 36; Common Raven, 5; Verdin, 7; House Wren, 3; Bewick's Wren, 4; Long-billed Marsh Wren, 11; Rock Wren, 1; Mockingbird, 21; Crissal Thrasher, 9; Am. Robin, 6; Hermit Thrush, 1; Mountain Bluebird, 42; Black-tailed Gnatcatcher, 6; Ruby-crowned Kinglet, 14; Water Pipit, 166; Phainopepla, 98; Loggerhead Shrike, 25; Orange-crowned Warbler, 3; Yellow Warbler, 1 (coll.); Audubon's Warbler, 100; Common Yellowthroat, 1; House Sparrow, 55; Western Meadowlark, 42; Red-winged Blackbird, 4628 (4400 est., 228); Bullock's Oriole, 1 (male); Brewer's Blackbird, 94; Brown-headed Cowbird, 1; House Finch, 209; Lesser Goldfinch, 24; Green-tailed Towhee, 2; Abert's Towhee, 46; Savannah Sparrow, 12; Vesper Sparrow, 4; Sage Sparrow, 3; Chipping Sparrow, 7; Brewer's Sparrow, 77; White-crowned Sparrow, 1038 (605 est., 433); Lincoln's Sparrow, 9; Song Sparrow, 7. **Total,** 78 species; about 8160 individuals.—Gale Monson.

418. **Prescott, Ariz.** (6-mile radius; 35% Ponderosa Pine forest, 35% Piñon-Pine, juniper and brush hillsides, 30% fields and deciduous woodland).—Dec. 28; 8 a.m. to 3 p.m. Clear to cloudy; temp. 30° to 40°. Two observers in 1 party. Total party-hours, 7 (5 on foot, 2 by car); total party-miles, 40 (4 on foot, 36 by car). Western Grebe, 1; Pied-billed Grebe, 2; Green-winged Teal, 1; Ruddy Duck, 4; Red-tailed Hawk, 2; hawk (sp.), 1; Sparrow Hawk, 1; Am. Coot, 5; sandpiper (sp.), 8; California Gull, 1; Red-shafted Flicker, 5; Acorn Woodpecker, 5; Yellow-bellied Sapsucker (Red-naped), 1; Steller's Jay, 13; Scrub Jay, 19; Common Raven, 1; Piñon Jay, 40; Mountain Chickadee, 14; Plain Titmouse, 6; Bridled Titmouse, 4; Common Bushtit, 30; White-breasted Nuthatch, 1; Pygmy Nuthatch, 15; Brown Creeper, 2; Bewick's Wren, 2; Cañon Wren, 2; Brown Thrasher, 1; Ruby-crowned Kinglet, 23; Loggerhead Shrike, 1; Audubon's Warbler, 6; Red-winged Blackbird, 100; House Finch, 11; Spotted Towhee, 13; Oregon Junco, 209; Gray-headed Junco, 18; Song Sparrow, 6. **Total,** 36 species; 632 individuals. (Seen during the week by Una Miller and Mary Faith Carl in Chino Valley 14 miles north of Prescott: White-crowned Sparrow, 35; Red-shafted Flicker, 3; Western Meadowlark, 93; Killdeer, 7; Marsh Hawk, 1; Rough-legged Hawk, Ferruginous Hawk, 2; Western Kingbird, 2; Pintail, 2; Canvas-back, 20; Spotted Sandpiper, 1; Canada Goose, 20; Mallard, 3; Lesser Goldfinch, 23.)—Una Miller, H. McLernon (compiler).

419. **Tucson, Ariz.** (7½-mile radius centering on Santa Cruz River and Congress Street Bridge, and including Indian Dam, San Xavier Mission area, Mid-vale Farms, Tucson Mts., City Farms-sewage Disposal Plant, Rincon Stock Farm; farm lands 70%, mesquite thickets 15%, arboreal desert 5%, hedgerows 10%, small ponds).—Dec. 27; 8 a.m. to 6 p.m. Clear; temp. 36° to 65°; wind S, less than 1 m.p.h. Nine observers in 4 parties. Total party-hours, 34 (31½ on foot, 2½ by car); total party-miles, 48 (18 on foot, 30 by car). Great Blue Heron, 2; Green Heron, 3; Buffle-head, 1; Black

Vulture, 36; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 9; Harris's Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 21; Gambel's Quail, 204; Am. Coot, 2; Killdeer, 32; Wilson's Snipe, 4; Spotted Sandpiper, 1 (R.J.); Dowitcher, 1; Mourning Dove, 135; Ground Dove, 27; Inca Dove, 60; Road-runner, 10; Horned Owl, 2; White-throated Swift, 2; Belted Kingfisher, 1; Red-shafted Flicker, 33; Gilded Flicker, 17; Gila Woodpecker, 58; Ladder-backed Woodpecker, 11; Ash-throated Flycatcher, 2 (F.T., R.J.); Black Phoebe, 8; Say's Phoebe, 25; Vermilion Flycatcher, 4; Beardless Flycatcher, 1; Common Raven, 2; Verdin, 28; Brown Creeper, 1; House Wren, 2; Winter Wren, 1 (T.H., J.G.); Bewick's Wren, 4; Cactus Wren, 42; Long-billed Marsh Wren, 4; Rock Wren 1; Mockingbird, 11; Bendire's Thrasher, 12; Curve-billed Thrasher, 36; Crissal Thrasher, 1; Am. Robin, 25; Blue-gray Gnatcatcher, 5; Black-tailed Gnatcatcher, 4; Ruby-crowned Kinglet, 37; Water Pipit, 182; Phainopepla, 4; Loggerhead Shrike, 24; Common Starling, 5; Audubon's Warbler, 70; Black-throated Gray Warbler, 1; House Sparrow, 131; Eastern Meadowlark, 1; Western Meadowlark, 307; Yellow-headed Blackbird, 2022; Red-winged Blackbird, 1298; Brewer's Blackbird, 3149; Boat-tailed Grackle, 1; Brown-headed Cowbird, 11; Cardinal, 24; Pyrrhuloxia, 52; House Finch, 287; Lesser Goldfinch (Green-backed), 3; Lawrence's Goldfinch, 2; Green-tailed Towhee, 2; Brown Towhee, 19; Abert's Towhee, 11; Lark Bunting, 595; Savannah Sparrow, 1; Grasshopper Sparrow, 1; Vesper Sparrow, 49; Lark Sparrow, 221; Black-throated Sparrow, 16; Oregon Junco, 6 (Oregon, 2; Pink-sided, 4); Chipping Sparrow, 7; Brewer's Sparrow, 1046; White-crowned Sparrow, 641 (including Gambel's 639); Lincoln's Sparrow, 22; Song Sparrow, 9. **Total,** 83 species (2 additional subspecies); 11,159 individuals.—Jerry Cannon, James and Eugenia Gates, Thornton Hays, Ivan Peters, Randolph Jenks, Mrs. Hugh B. Sloan, Ross and Florence Thornburg (Tucson Audubon Society).

420. Ruby Valley, Nev. (west side of Ruby Lake National Wildlife Refuge & Franklin Lakes; sage brush, grass 75%, bulrush marsh 25%).—Dec. 27; 8 a.m. to 3 p.m. Cloudy; temp. 20°; wind S, 5-8 m.p.h.; ground covered with 4-6 in. old snow; all fresh water frozen with exception of spring holes. Two observers in 1 party. Total party-hours, 14 (2 on foot, 12 by car); total party-miles, 70 (2 on foot, 68 by car). Pied-billed Grebe, 3; Great Blue Heron, 3; Whistling Swan, 26; Canada Goose, 14; Mallard, 2863; Gadwall, 4; Am. Widgeon, 34; Pintail, 751; Green-winged Teal, 191; Cinnamon Teal, 4; Shoveller, 1; Redhead, 2; Ring-necked Duck, 7; Lesser Scaup, 4; Am. Golden-eye, 26; Buffle-head, 5; Ruddy Duck, 10; Hooded Merganser, 1; Cooper's Hawk, 1; Ferruginous Hawk, 3; Golden Eagle, 1; Bald Eagle, 1; Marsh Hawk, 6; Am. Coot, 84; Killdeer, 2; Red-shafted Flicker, 1; Hairy Woodpecker, 1; Am. Magpie, 43; Common Raven, 22; Brewer's Blackbird, 2; Oregon Junco, 15. **Total,** 31 species; 4131 individuals.—Baine H. Cater, Norman Ritter.

421. Stillwater Wildlife Management Area (Churchill Co.), Nev. (7½-mile radius centering in the SW¼, SW¼, Sec. 36, T21N, R30E or approximately 16 miles northeast of the town of Fallon, and including portions of the Stillwater Marsh, Pelican Island Marsh, Indian Lakes, Carson River, irrigated farmland north of Stillwater and intervening desert; irrigated farmland 10%, alkaline cattail and bulrush marshes interspersed with open lakes, alkali flats and greasewood-shadscale desert 80%, cottonwood river bottom 10%).—Dec. 20; 7:30 a.m. to 5 p.m. Cloudy; temp. 37° to 43°; wind NW, 2-10 m.p.h.; most water areas clear of ice, ground wet from recent rain. Two observers in 1 party. Total party-hours, 9½ (½ on foot, 9 by car); total party-miles, 80 (1 on foot, 79 by car). Great Blue Heron, 33; Whistling Swan, 1043 (500±100, 543); Canada Goose, 144; Snow Goose, 123; Mallard, 544; Gadwall, 6; Am. Widgeon, 15; Pintail, 628 (355±50, 273); Green-winged Teal, 2066 (1925±325, 141); Shoveller, 43; Canvas-back, 8; Am. Golden-eye, 6; Buffle-head, 5; Ruddy Duck, 94; Am. Merganser, 6; Rough-legged Hawk, 4; Golden Eagle, 3; Bald Eagle, 2; Marsh Hawk, 15; Sparrow Hawk, 2; California Quail, 40; Am. Coot, 871 (190±25, 681); Killdeer, 12; Willet, 2 (seen at close range both on ground and flying); Ring-billed Gull, 8; Red-shafted Flicker, 6; Horned Lark, 870 (800±190, 70); Am. Magpie, 16; Common Raven, 9; Water Pipit, 2; Loggerhead Shrike, 9; Audubon's Warbler, 8; Western Meadowlark, 3; Brewer's Blackbird, 4199 (4150±600, 49); Am. Goldfinch, 98; Sage Sparrow, 3; White-crowned Sparrow, 158; Song Sparrow, 18. **Total,** 38 species; about 11,122 individuals.—LeRoy W. Giles, David B. Marshall (compiler).

422. Bellingham, Wash. (3-mile radius centering on the south tip of Pt. Francis and including Eliza Island, Inati Bay on Lummi Island and the valley above it, and the southwest tip of the Lummi Indian reservation; salt-water bay 80%, red alder thicket 2%, meadow and grain 6%, mature Douglas Fir, western Red Cedar 11½%, rocky shore ½%).—Dec. 26; 9:45 a.m. to 4:45 p.m. Clear; temp. 36° to 49°; wind SE, 8-12 m.p.h.; ground bare and unfrozen; has been no snow all season. Two observers in 1 party. Total party-hours, 7 (3 on foot 4 by motorboat); total party-miles, 15 (3 on foot, 12 by motor-boat). Common Loon, 1; loon (sp.), 180; Arctic Loon, 2; Red-throated Loon, 3; Red-necked Grebe, 1; Horned Grebe, 61; Western Grebe, 1200 (est.); Double-crested Cormorant, 10; Brandt's Cormorant, 27; Pelagic Cormorant, 12; cormorant (sp.) 190; Great Blue Heron, 7; Black Brant, 2; Mallard, 88; Am. Widgeon, 2; Pintail, 10; Green-winged Teal, 22; Shoveller, 2; Greater Scaup, 121; Am. Golden-eye, 209; Buffle-head, 142; Harlequin Duck, 16; White-winged Scoter, 60; Surf Scoter, 232; Red-breasted Merganser, 17; Red-tailed Hawk, 1; Bald Eagle, 2; Peregrine Falcon, 1; Killdeer, 2; Surf-bird, 6; Black Turnstone, 2; Glaucous-winged Gull, 70; Herring Gull, 1; Short-billed Gull, 17; Common Murre, 110; Pigeon Guillemot, 4; Marbled Murrelet, 10; Belted Kingfisher, 1; Red-shafted Flicker, 1;

Pileated Woodpecker, 1; Downy Woodpecker, 1; Northwestern Crow, 12; Black-capped Chickadee, 4; Chestnut-backed Chickadee, 12; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 24; Bewick's Wren, 1; Varied Thrush, 4; Golden-crowned Kinglet, 10; Common Starling, 35 (short tails, characteristic flight, speckled plumage—R.E.P.); Western Meadowlark, 1; Brewer's Blackbird, 350 (±20); Pine Grosbeak, 8; Pine Siskin, 140; Spotted Towhee, 3; Oregon Junco, 120; White-crowned Sparrow, 2; Golden-crowned Sparrow, 4; Fox Sparrow, 7; Lincoln's Sparrow, 1; Song Sparrow, 84. **Total,** 60 species; about 3659 individuals. (Resident in area during period but not seen on count: Red-winged Blackbird, 1; Virginia Rail, 1; Am. Robin, 8.)—H. C. Black, R. E. Phillips (compiler).

423. **Orcas Island (San Juan Co.), Wash.** (East Sound, West Sound, Deer Harbor, and Mt. Constitution; salt water on S. side of island 50%, orchard and farmland 20%, mixed second-growth forest 20%, old growth Douglas Fir forest 10%, 2 fresh ponds and McConnell are included).—Jan. 1; 7 a.m. to 5 p.m. Mostly overcast; temp. 35° to 41°; wind SW, 1-2 m.p.h. Four observers in 2 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 50 (10 on foot, 36 by car, 4 by boat). Common Loon, 4; Arctic Loon, 22; Red-throated Loon, 1; Red-necked Grebe, 7; Horned Grebe, 100 (est.); Eared Grebe, 1; Western Grebe, 130; Pied-billed Grebe, 2; Double-crested Cormorant, 20; Pelagic Cormorant, 31; Great Blue Heron, 6; Mallard, 33; Am. Widgeon, 230; Pintail, 1; Ring-necked Duck, 200+; Greater Scaup, 530; Lesser Scaup, 230; Am. Golden-eye, 265; Barrow's Golden-eye, 4; Buffle-head, 420; Old-squaw, 19; Harlequin Duck, 7; White-winged Scoter, 310; Surf Scoter, 600+; Am. Scoter, 13; Ruddy Duck, 32; Hooded Merganser, 15; Am. Merganser, 1; Red-breasted Merganser, 34; Bald Eagle, 1; California Quail, 1; Am. Coot, 92; Killdeer, 4; Wilson's Snipe, 1; Glaucous-winged Gull, 1000 (est.); Herring Gull, 68; California Gull, 120; Ring-billed Gull, 4; Bonaparte's Gull, 5; Common Murre, 3; Pigeon Guillemot, 156; Ancient Murrelet, 9; Marbled Murrelet, 20; Belted Kingfisher, 13; Red-shafted Flicker, 9; Pileated Woodpecker, 1; Lewis's Woodpecker, 1; Downy Woodpecker, 2; Steller's Jay, 1; Common Raven, 1; Northwestern Crow, 74; Chestnut-backed Chickadee, 23; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 2; Am. Robin, 80; Varied Thrush, 36; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; House Sparrow, 12; Purple Finch, 41; Pine Siskin, 15; Brown Towhee, 26; Oregon Junco, 333; Golden-crowned Sparrow, 2; Fox Sparrow, 1; Song Sparrow, 40. **Total,** 67 species; 5463 individuals.—Dr. Robert Cushman Murphy, Alison, Frank, and Stephen Mathews.

424. **Seattle, Wash.** (same as last year; 7½-mile radius, centering on 1st and Yesler, omitting business and apartment house districts; including shores of Puget Sound, lakes Washington and Green, and the Bellevue-Mercer Island area; woods and brush 15%, lakes and lake shore 30%, salt water near shore 25%, fields and parks 10%, marsh 10%, suburban dwellings 10%).—Dec. 28; 9 a.m. to 5 p.m. Overcast a.m., heavy rain p.m.; temp. 40° to 45°; wind SW, 12-30 m.p.h. Fifty observers in 18 parties. Total party-hours, 93½ (69½ on foot, 19 by car, 5 by canoe); total party-miles, 120 (62½ on foot, 52½ by car, 5 by canoe). Common Loon, 1; Arctic Loon, 2; Red-necked Grebe, 24; Horned Grebe, 56; Eared Grebe, 28; Western Grebe, 363; Pied-billed Grebe, 20; Double-crested Cormorant, 41; Brandt's Cormorant, 3; Pelagic Cormorant, 7; Great Blue Heron, 26; Am. Bittern, 2; Canada Goose, 47; Snow Goose, 1; Mallard, 1320; Gadwall, 37; European Widgeon, 2 [no details—Ed.]; Am. Widgeon, 1825; Pintail, 86; Green-winged Teal, 258; Shoveller, 853; Ring-necked Duck, 12; Canvasback, 13; Greater Scaup, 880; Lesser Scaup, 5, plus sp. 57; Am. Golden-eye, 143; Barrow's Golden-eye, 2; Buffle-head, 108; Old-squaw, 3; White-winged Scoter, 131; Surf Scoter, 224; Ruddy Duck, 474; Hooded Merganser, 7; Am. Merganser, 432; Red-breasted Merganser, 142; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; California Quail, 116; Ring-necked Pheasant, 21; Am. Coot, 2226; Killdeer, 53; Black-bellied Plover, 1; Wilson's Snipe, 7; Red-backed Sandpiper, 14; Dowitcher, 1; Sanderling, 42; Glaucous-winged Gull, 7570+; Western Gull, 2; Herring Gull, 37; California Gull, 16; Ring-billed Gull, 893; Short-billed Gull, 3565; Bonaparte's Gull, 185; Common Murre, 4; Marbled Murrelet, 4; Pigeon Guillemot, 8; Ancient Murrelet, 3; Cassin's Auklet, 2; Rhinoceros Auklet, 1; Band-tailed Pigeon, 57; Short-eared Owl, 2; Belted Kingfisher, 3; Red-shafted Flicker, 73; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 11; Steller's Jay, 57; Am. Crow, 12; Northwestern Crow, 226; Black-capped Chickadee, 177; Chestnut-backed Chickadee, 101; Common Bushtit, 270; **White-breasted Nuthatch,** 1; Red-breasted Nuthatch, 3; Brown Creeper, 4; Winter Wren, 7; Bewick's Wren, 27; Long-billed Marsh Wren, 3; Am. Robin, 2451; Varied Thrush, 131; Hermit Thrush, 1; Western Bluebird, 6; Townsend's Solitaire, 1; Golden-crowned Kinglet, 23; Ruby-crowned Kinglet, 18; Water Pipit, 61; Cedar Waxwing, 334; Audubon's Warbler, 15; Townsend's Warbler, 6; House Sparrow, 222; Western Meadowlark, 14; Red-winged Blackbird, 35; Brewer's Blackbird, 569; Purple Finch, 66; **House Finch,** 5; Common Redpoll, 1; Pine Siskin, 852; Am. Goldfinch, 76; Red Crossbill, 2; Spotted Towhee, 159; Svannah Sparrow, 2; Oregon Junco, 322; **Am. Tree Sparrow,** 4 (W.H.) [no other details—Ed.]; White-crowned Sparrow, 3; Fox Sparrow, 10; Song Sparrow, 316. **Total,** 112 species (2 additional subspecies); over 29,158 individuals. (Seen in area Dec. 23: 2 Barrow's Golden-eyes; Dec. 22: 1 Common Redpoll.)—M. E. & Mrs. Affonin, R. M. & Mrs. Boggs, Mrs. R. R. Brattain, Mr. & Mrs. & Kathryn Bricker, Mr. & Mrs. Ward Beecher, Violet Cannon, Kenneth Clark, Mrs. C. F. Clise, E. B. & Mrs. Cole, Mrs. J. I. Colwell, J. M. & Mrs. Cramer,

Garrett Eddy, Mr. & Mrs. Harlan Edwards, Mr. & Mrs. Albert Forsman, Walter Froelich, James Garvin, William Goodge, A. C. & Mrs. Gunby, F. S. & Mrs. Guthrie, Walter Hagenstein, Madge Hubbard, Gloria Huntington, Mrs. Arthur Hussey, Doris Jelliffe, Bernice Jennings, Mrs. W. M. Kautz, Joan Laval, Mrs. O. A. Olson, Mr. & Mrs. G. M. Privat, Mrs. W. R. Rathbun, William Rourke, Zella McM. Schultz, Mrs. H. L. Schumaker, Bertha Shuler, Kate Thompson, Vivian D. Thorne, James Turner, Mrs. R. G. Wright.

425. Spokane, Wash. (same area as in previous counts; lawns, parks and cemeteries 38%, rivers bordered with brush and coniferous woods 54%, suburban irrigated tracts and open fields 8%).—Dec. 27; 8:30 a.m. to 3:30 p.m. Snow flurries and cloudy; temp. 25° to 29°; wind ENE, 3-7 m.p.h.; 2 to 3 inches of snow on ground. Thirty observers in 12 parties. Total party-hours, 75; total party-miles, 254 (38 on foot, 216 by car). Pied-billed Grebe, 10; Great Blue Heron, 6; Canada Goose, 12; Mallard, 1984; Gadwall, 6; Am. Widgeon, 94; Pintail, 20; Green-winged Teal, 8; Shoveller, 2; Redhead, 60; Ring-necked Duck, 376; Canvas-back, 8; Lesser Scaup, 61; Am. Golden-eye, 62; Bufflehead, 2; Hooded Merganser, 6; Sharp-shinned Hawk, 4; Golden Eagle, 1; Ruffed Grouse, 2; European Partridge, 7; Bob-white, 8; California Quail, 246; Ring-necked Pheasant, 136; Am. Coot, 12; Killdeer, 3; Wilson's Snipe, 8; Mourning Dove, 1; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 62; Pileated Woodpecker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 17; Am. Magpie, 44; Northwestern Crow, 2; Clark's Nutcracker, 4; Black-capped Chickadee, 249; Mountain Chickadee, 23; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 46; Pygmy Nuthatch, 384; Brown Creeper, 10; Am. Dipper, 2; Winter Wren, 3; Am. Robin, 374; Varied Thrush, 3; Townsend's Solitaire, 3; Golden-crowned Kinglet, 150; Bohemian Waxwing, 253; Cedar Waxwing, 1; Gray Shrike, 6; House Sparrow, 593; Evening Grosbeak, 37; Cassin's Finch, 15; House Finch, 12; Common Redpoll, 150; Pine Siskin, 132; Am. Goldfinch, 285; Red Crossbill, 12; Oregon Junco, 781; White-crowned Sparrow, 5; Fox Sparrow, 1; Song Sparrow, 71. **Total,** 63 species; about 6893 individuals.—Mrs. Fred Acton, James Acton, Mrs. A. I. Buchecker, Mattie Burke, Amelia Burns, Mr. and Mrs. Archie Clough, Paul Dix, Tom Groh, Mr. and Mrs. M. C. Haggin, Mrs. R. N. Hamblen, Mrs. A. H. Hobbs, Irene Hunt, Mr. and Mrs. George W. Morrow, Mr. and Mrs. Earl W. Pettibone (compiler), Mr. and Mrs. A. C. Rettig, Mrs. Maurice J. Schanks, Mrs. Paul A. Schultz, Mr. and Mrs. Stephen O. Stanley, Harry D. Thompson, Mr. and Mrs. Charles Tietgen, Theodore Turner, Jack Turner, Alma Walker (Spokane Bird Club).

426. Eugene, Oreg. (7½-mile radius including the Eugene and Fern Ridge Reservoir areas, same as for past 9 years; meadowland 20%, orchards and fields 20%, suburban 10%, evergreen forests 15%, mixed woods 20%, mud flat 5%, open lake 10%).—Dec. 28; 9 a.m. to 4:30 p.m. Cloudy; temp. 32° to 48°; wind SE to SSE, 8-26 m.p.h.; ground wet; 0.18 inch rain in afternoon. Twenty-six observers in 14 parties. Total party-hours, 81 (50 on foot, 31 by car); total party-miles, 158 (38 on foot, 120 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 1; **Am. Bittern,** 1 (seen frequently for 6 weeks—Mrs. R.Y.); Canada Goose, 1074; Mallard, 648; Pintail, 559; Green-winged Teal, 320; Shoveller, 12; Wood Duck, 42; Ring-necked Duck, 2; Canvas-back, 216; Lesser Scaup, 142; Am. Merganser, 106; Turkey Vulture, 1 (closely observed—B.C., L.L.D., J.R.); Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 5; **Ferruginous Hawk,** 1 (F.R., N.R., A.S.); Marsh Hawk, 3; Pigeon Hawk, 2; Sparrow Hawk, 23; Ruffed Grouse, 5; California Quail, 1; Mountain Quail, 8; Ring-necked Pheasant, 48; Am. Coot, 22; Killdeer, 634; Wilson's Snipe, 7; Least Sandpiper, 20; Red-backed Sandpiper, 28; California Gull, 2; Ring-billed Gull, 68; Barn Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Red-shafted Flicker, 116; Acorn Woodpecker, 16; Lewis's Woodpecker, 16; Hairy Woodpecker, 5; Downy Woodpecker, 2; Steller's Jay, 51; Scrub Jay, 35; Common Raven, 4; Am. Crow, 980; Black-capped Chickadee, 79; Chestnut-backed Chickadee, 2; Common Bushtit, 15; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 11; Bewick's Wren, 6; Long-billed Marsh Wren, 1; Am. Robin, 1433; Varied Thrush, 221; Hermit Thrush, 3; Golden-crowned Kinglet, 63; Ruby-crowned Kinglet, 16; Water Pipit, 54; Cedar Waxwing, 86; Common Starling, 6; Audubon's Warbler, 2; House Sparrow, 189; Western Meadowlark, 8; Red-winged Blackbird, 72; Brewer's Blackbird, 881; Purple Finch, 47; House Finch, 19; Pine Siskin, 128; Am. Goldfinch, 37; Lesser Goldfinch, 3; Spotted Towhee, 115; Savannah Sparrow, 1; Vesper Sparrow, 1; Oregon Junco, 2182; White-crowned Sparrow, 67; Golden-crowned Sparrow, 181; Fox Sparrow, 19; Lincoln's Sparrow, 1; Song Sparrow, 173. **Total,** 80 species; about 11,383 individuals. (Seen in area Dec. 21: Mourning Dove, 2; Brown-headed Cowbird, 13.)—David Brown, Mrs. Lawrence Burgh, Mrs. Chas Croson, Bob Crowe, L. L. Daggett, Mrs. Freeman Day, Catherine Dunlop, Irene Flynn, Florence Fulton, C. S. Gregor, Myrtie Hamlin, Helen Kilpatrick, Karl Krugur, Frances Newsom, Keith Newsom, Dr. J. Hugh Pruett, Hal Pruitt, Ben H. Pruitt (compiler), John Reynolds, Nora Robertson, Cora Saunders, Jay Sheppard, Ada R. Shuey, Sybil Mary Watt, Mrs. G. M. Wright, Mrs. Russell Yockey (Natural History Society of Eugene).

427. Klamath Falls, Oreg. (area same as last year with addition of Sprague River Marsh; open field 18%, marshland 37%, pine and fir forest 10%, juniper and sage 15%, lake and river 6%, residential 14%).—Dec. 28; 9 a.m. to 4 p.m. Heavy morning fog, heavy afternoon overcast; temp. 8° to 20°; no wind; ground covered with 4-30 in. snow on valley floor, up to 72 in. in high mountains; ponds

and lakes frozen, rivers and warm water streams open. Thirty-nine observers in 15 parties. Total party-hours, 80 (8 on foot, 72 by car); total party-miles, 489 (50 on foot, 439 by car). Western Grebe, 5; Pied-billed Grebe, 76; Double-crested Cormorant, 2; Great Blue Heron, 23; Am. Egret, 10; Black-crowned Night Heron, 81; Whistling Swan, 2740; Canada Goose, 175 (Common 96; Cackling, 79); White-fronted Goose, 127; Snow Goose, 30; Mallard, 929; Gadwall, 2; Am. Widgeon, 159; Pintail, 665; Green-winged Teal, 21; Shoveller, 2807; Ring-necked Duck, 301; Canvas-back, 661; Lesser Scaup, 554; Am. Golden-eye, 1002; Buffle-head, 313; Ruddy Duck, 1346; Hooded Merganser, 18; Am. Merganser, 76; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 81; Swainson's Hawk 1 [no details—Ed.]; Rough-legged Hawk, 44; Ferruginous Hawk, 2; Golden Eagle, 8; Bald Eagle, 64; Marsh Hawk, 117; Prairie Falcon, 2; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 33; European Partridge, 12; Rock Partridge, 19; California Quail, 752; Mountain Quail, 15; Ring-necked Pheasant, 1176; Virginia Rail, 1; Am. Coot, 705; Killdeer, 3; Wilson's Snipe, 4; California Gull, 14; Ring-billed Gull, 91; Mourning Dove, 5; Barn Owl, 3; Horned Owl, 4; Great Gray Owl, 2; Long-eared Owl, 7; Short-eared Owl, 103; Belted Kingfisher, 9; Red-shafted Flicker, 76; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; White-headed Woodpecker, 3; Horned Lark, 672; Gray Jay, 14; Steller's Jay, 46; Scrub Jay, 28; Am. Magpie, 392; Piñon Jay, 17; Clark's Nutcracker, 13; Black-capped Chickadee, 7; Mountain Chickadee, 115; Chestnut-backed Chickadee, 10; Plain Titmouse, 1; Common Bushtit, 27; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 2; Pygmy Nuthatch, 32; Brown Creeper, 15; Winter Wren, 5; Long-billed Marsh Wren, 9; Am. Robin, 202; Varied Thrush, 12; Mountain Bluebird, 3; Townsend's Solitaire, 27; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 1; Cedar Waxwing, 40; Gray Shrike, 16; Common Starling, 1; Audubon's Warbler, 1; (K. & E. McLeod); House Sparrow, 1530; Western Meadowlark, 269; Yellow-headed Blackbird, 9; Red-winged Blackbird, 156; Brewer's Blackbird, 763; Evening Grosbeak, 14; Purple Finch, 2; House Finch, 326; Lesser Goldfinch, 2; Spotted Towhee, 14; Savannah Sparrow, 3; Oregon Junco, 1467; White-crowned Sparrow, 30; Fox Sparrow, 3; Song Sparrow, 243. **Total,** 102 species (1 additional subspecies); 22,043 individuals.—Deb Addison, Mrs. A. L. Barker, Darla Brewer, Lyle Brewer, Stuart Campbell, Ralph Cecil, Alice Cecil, Joe Crank, Al Cummings, Verona Dahler, Fred Fletcher, Bert Gray, May Gray, Thomas C. Horn, Helen M. Horn, W. S. Kessler, L. R. Mann, Naomi French, Lawrence French, Mary McKim, Roy McKim, Kenneth McLeod (compiler), Edith McLeod, Frank McCornack, Russel Pengelly, Corrine Redman, David Riley, Jim O'Donahue, Jim Savage, Anna Strahan, Paul A. Steel, J. K. Susac, J. V. LaClair, H. C. Parker, Dorris Turner, J. D. Vertrees, Floyd Washburn, Gilbert Walters, Virginia Walters (Nature Society of the Klamath Region).

428. Portland, Oreg. (7½-mile radius centered on downtown Portland, same as 1938 and succeeding counts; woodland and brush 30%, lakes and rivers 25%, farmlands 20%, residential areas 25%).—Dec. 28; 8 a.m. to 5 p.m. Clear in a.m., rain in p.m.; temp. 32° to 45°; wind E to S, 0-12 m.p.h. Sixty-three observers in 16 parties. Total party-hours, 107 (74 on foot, 33 by car); total party-miles, 356 (81 on foot, 275 by car). Common Loon, 1; Western Grebe, 2; Pied-billed Grebe, 4; Double-crested Cormorant, 54; Great Blue Heron, 8; Green Heron, 5; Black-crowned Night Heron, 1; Canada Goose, 68; Mallard, 1953; Gadwall, 106; European Widgeon, 2 [no details—Ed.]; Am. Widgeon, 3852; Pintail, 2228; Green-winged Teal, 114; Shoveller, 43; Ring-necked Duck, 48; Lesser Scaup, 82; Buffle-head, 44; ducks (sp.), 12,658; Ruddy Duck, 17; Am. Merganser, 51; Sharp-shinned Hawk, 4; Cooper's Hawk, 7; Red-tailed Hawk, 5; Pigeon Hawk, 2; Sparrow Hawk, 7; Ring-necked Pheasant, 55; Am. Coot, 618; Killdeer, 126; Wilson's Snipe, 44; Spotted Sandpiper, 1; Glaucous-winged Gull, 614; Herring Gull, 15; California Gull, 164; Ring-billed Gull, 17; Short-billed Gull, 951; gulls (sp.), 4179; Band-tailed Pigeon, 1; Mourning Dove, 1; Belted Kingfisher, 16; Red-shafted Flicker, 174; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 51; Steller's Jay, 38; Northwestern Crow, 1588; Black-capped Chickadee, 362; Mountain Chickadee, 8; Chestnut-backed Chickadee, 58; Common Bushtit, 231; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 18; Brown Creeper, 36; Winter Wren, 20; Bewick's Wren, 35; Long-billed Marsh Wren, 1; Am. Robin, 22,399 (20,000 carefully estimated in 2-hour study at roost in neglected holly nursery—D.B.M.); Varied Thrush, 319; Hermit Thrush, 8; Western Bluebird, 4; Townsend's Solitaire, 1; Golden-crowned Kinglet, 272; Ruby-crowned Kinglet, 23; Water Pipit, 10; Cedar Waxwing, 245; Common Starling, 50; Audubon's Warbler, 42; Townsend's Warbler, 3; House Sparrow, 745; Western Meadowlark, 41; Red-winged Blackbird, 24; Brewer's Blackbird, 1793; Evening Grosbeak, 23; Purple Finch, 186; House Finch, 170; Pine Siskin, 459; Am. Goldfinch, 65; Lesser Goldfinch, 1; Spotted Towhee, 144; Savannah Sparrow, 3; Oregon Junco, 1229; Harris's Sparrow, 1; White-crowned Sparrow, 25; Golden-crowned Sparrow, 83; Fox Sparrow, 21; Song Sparrow, 773. **Total,** 84 species; about 59,970 individuals.—Tom McAllister, Brian McNab, Norbert Leupold, Alfred Weatherwax, Mr. & Mrs. C. L. Marshall, Mr. & Mrs. H. C. Judd, Louis Oberson, Alva Oakes, Mrs. F. C. Blakeslee, Mrs. Helen Layman, O. E. Wheeler, Dennis Graham, David B. Marshall, Mrs. W. B. Holden, Charlotte Sunnell, Mr. & Mrs. Leo F. Simon, B. A. Thaxter, Henry Steinbrugge, Edward A. Kelham, Mr. & Mrs. H. W. Decker, Lawrence Schramm, Mr. & Mrs. Earl A. Marshall, Mrs. Ruth Merrill, Mr. & Mrs. N. G. Seaman, Mr. & Mrs. Tom Schuele, Mr. & Mrs. Carroll S. Higgins, Mr. & Mrs. Lyle M. Dunsmoor, Mrs. Susie Nicholson, Joyce Wildes, Isabel Wildes, Mr. & Mrs. J. W. C. Williams, Carl Jacobsen, Mr. & Mrs. Allen Peterson, Mrs. Leon Goldsmith, Mr. & Mrs. W.

H. Crowell, Thornton T. Munger, Osgood Munger, Forrest J. Cobb, James Cobb, Richard Cobb, Hamblin Crowell, LeForest McCroskey, P. E. Lewis, Mrs. C. W. Hager, Kenneth Leatherman, Harold Gilbert, Robert Millette, Mrs. Theo. Millette, Mrs. Neil Haig, George D. Ruby, Marcia Ruby (Oregon Audubon Society).

429. Big Bear Lake, Calif. (same as previous 11 years; parts of a 15-mile circle centering near Bertha Peak in San Bernardino Mts., about 3 miles NNE of Big Bear P. O., extending to Box H Springs in desert to bottom of Santa Anita Canyon near Seven Oaks; 3,500-7,200 ft. elevation; coniferous forest 37%, mountain lakes 12%, mountain meadow 7%, piñon-juniper association 7½%, sage brush 1½%, creosote bush association 10%, desert willow and cottonwood 7%, alders, oaks, and canyon streams 6%, chaparral 12%).—Dec. 20; 12 a.m. to 12 a.m. Snowfall daylight to noon; temp. 10° to 36°; wind 0-15 m.p.h.; snow after fall 2½ ft.; lakes thinly frozen. Five observers in 2 parties. Total party-hours, 12 (5 on foot, 7 by car); total party-miles, 60 (3 on foot, 57 by car). Eared Grebe, 11; Am. Widgeon, 25; Pintail, 7; Canvas-back, 2; Lesser Scaup, 25; Red-tailed Hawk, 2; Golden Eagle, 4 (1 imm.); Bald Eagle, 4 (3 imm.); Sparrow Hawk, 1; Am. Coot, 300; California Gull, 1; Red-shafted Flicker, 14; Acorn Woodpecker, 2; Hairy Woodpecker, 5; Ladder-backed Woodpecker, 2; White-headed Woodpecker, 1; Steller's Jay, 68; Common Raven, 1; Piñon Jay, 42; Clark's Nutcracker, 1; Mountain Chickadee, 25; Plain Titmouse, 2; Verdin, 1; White-breasted Nuthatch, 9; Pygmy Nuthatch, 30; Brown Creeper, 3; Cactus Wren, 1; Rock Wren, 3; Am. Robin, 6; Varied Thrush, 1; Western Bluebird, 28; Ruby-crowned Kinglet, 5; Water Pipit, 1; Solitary Vireo, 1 (G. & H.) [no details—Ed.]; Audubon's Warbler, 1; House Sparrow, 40; Brewer's Blackbird, 20; Brown-headed Cowbird, 1; House Finch, 215; Black-throated Sparrow, 4; Sage Sparrow, 2; Harris's Sparrow, 1, imm. (G. & H.) [no details—Ed.]; White-crowned Sparrow, 465; Golden-crowned Sparrow, 10; Song Sparrow, 1. **Total,** 45 species; about 1394 individuals. (Seen in area Dec. 21: 2 Townsend's Solitaire.)—J. H. Comby (compiler), Mrs. J. H. Comby, P. J. Gould, Bill Hawkins, John Tramontano.

430. Escondido, Calif. (7½-mile radius, slightly southwest of Escondido, centering at Lake Hodges and including San Diequito Reservoir near Rancho Santa Fe; 50% fresh-water lakes, 20% wooded area, 20% chaparral, 10% open fields).—Dec. 28; 8 a.m. to 5 p.m. Overcast with showers; temp. 54° to 45°; wind NE, 5-20 m.p.h. Two observers in 1 party. Total party-hours, 15 (8 on foot, 7 by car); total party-miles, 87 (19 on foot, 68 by car). Western Grebe, 3; Pied-billed Grebe, 15; Double-crested Cormorant, 5; Great Blue Heron, 11; Am. Egret, 8; Snowy Egret, 4; Mallard, 26; Am. Widgeon, 75; Pintail, 3000 (2500 est., 500); Green-winged Teal, 13; Cinnamon Teal, 1; Shoveller, 5000 (4500 est., 500); Redhead, 4; Canvas-back, 12; Lesser Scaup, 1; Buffle-head, 4; Ruddy Duck, 347; White-tailed Kite, 4; Cooper's Hawk, 9; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Golden Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 28; California Quail, 22; Am. Coot, 1006; Killdeer, 29; Spotted Sandpiper, 8; Greater Yellow-legs, 4; Dowitcher, 12; California Gull, 2; Ring-billed Gull, 36; Mourning Dove, 15; Road-runner, 1; Barn Owl, 1; Burrowing Owl, 5; Anna's Hummingbird, 6; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Acorn Woodpecker, 14; Nuttall's Woodpecker, 5; Western Kingbird, 2; Black Phoebe, 9; Say's Phoebe, 9; Horned Lark, 8; Violet-green Swallow, 1500 (1250 est., 250); Scrub Jay, 21; Am. Crow, 3; Plain Titmouse, 5; Wren-tit, 26; House Wren, 6; Cañon Wren, 1; Rock Wren, 1; Mockingbird, 4; California Thrasher, 2; Am. Robin, 1; Hermit Thrush, 3; Western Bluebird, 82; **Golden-crowned Kinglet,** 10 (closely seen for 20 min. thru 7x50 binoculars); Water Pipit, 2; Loggerhead Shrike, 17; Audubon's Warbler, 250; Western Meadowlark, 34; Red-winged Blackbird, 119; Brewer's Blackbird, 655; House Finch, 290; Lesser Goldfinch, 11; Spotted Towhee, 1; Brown Towhee, 24; Lark Sparrow, 29; Slate-colored Junco, 6; Oregon Junco, 5; Chipping Sparrow, 15; White-crowned Sparrow, 88; Song Sparrow, 5. **Total,** 75 species; about 13,002 individuals.—Mrs. Sidney S. Doner, Fred N. Gallup.

431. Gray Lodge Wildlife Refuge, Calif. (census confined generally to the vicinity of the Gray Lodge Wildlife Refuge and also included vicinity of Pennington and the north side of the Marysville Buttes including Butte Sink; fresh-water lakes 40%, fresh-water marsh and sloughs 30%, farmland 10%, plow fields 10%, roadside oaks 2%, flooded fields 8%).—Dec. 22; 9 a.m. to 5 p.m. Clear; temp. 45° to 70°; wind W to WNW, 10-15 m.p.h.; ground still wet from rain the previous days; much water standing in depressions. Four observers in 2 parties. Total party-hours, 16 (6 on foot, 10 by car); total party-miles, 31 (6 on foot, 25 by car). Pied-billed Grebe, 1; Double-crested Cormorant, 9; Great Blue Heron, 1; Am. Egret, 7; Snowy Egret, 6; Black-crowned Night Heron, 530; Am. Bittern, 1; Whistling Swan, 52; Canada Goose, 1514; White-fronted Goose, 3500 (est.); Snow Goose, 8500 (est.); Ross's Goose, 3; Mallard, 50,000 (est.); Gadwall, 1508 (1500 est., 8); Am. Widgeon, 50,000 (est.); Pintail, 125,000 (est.); Green-winged Teal, 10,000 (est.); Cinnamon Teal, 3; Shoveller, 15,000 (est.); Redhead, 2; Ring-necked Duck, 2; Am. Golden-eye, 1; Buffle-head, 1; Ruddy Duck, 247; Turkey Vulture, 12; Red-tailed Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 323; Sandhill Crane, 28; Virginia Rail, 3; Florida Gallinule, 2; Am. Coot, 38,000 (est.); Killdeer, 75; Dowitcher, 41; Am. Avocet, 5; Glaucous-winged Gull, 1; Herring Gull, 10; Mourning Dove, 1; Red-shafted Flicker, 8; Acorn Woodpecker, 7; Horned Lark, 10; Tree Swallow, 11; Scrub Jay, 5; Yellow-billed Magpie, 8; Long-billed Marsh Wren, 11; Mountain Bluebird, 2; Loggerhead Shrike, 11; Common Starling, 5 (characteristic call; short tail, long bill noted, speckling—A.S.); Western Meadowlark,

96; Yellow-headed Blackbird, 90; Red-winged Blackbird, 270,000 (est.); Brewer's Blackbird, 29; House Finch, 111; Am. Goldfinch, 81; Lesser Goldfinch, 8; Brown Towhee, 1; Savannah Sparrow, 26; Lark Sparrow, 15; Oregon Junco, 5; White-crowned Sparrow, 140; Song Sparrow, 1. **Total,** 62 species (2 additional subspecies); about 575,074 individuals. The census waterfowl figures represent probably from one-third to one-half of all the waterfowl on the refuge at the time of the census. It was impossible to travel many of the roads in the refuge since they were flooded or generally impassable. The figures obtained from the refuge manager indicate that there were probably close to three million birds on or near the refuge.—Robert L. Pyle, Arnold Small (compiler), Millicent Small, Sandy Sprunt.

432. **Hemet, Calif.** (7½-mile radius including Friendly Hills Wildlife Sanctuary, Little Lake, San Jacinto Reservoir, of the Metropolitan Water District and vicinity; chaparral 35%, reservoir and ponds 25%, fields and roadsides 40%).—Dec. 27; 6 a.m. to 3:30 p.m. Clear; temp. 35° to 50°; wind 3-10 m.p.h. Three observers in 1 party. Total party-hours, 8½ (6 on foot, 2½ by car); total party-miles, 25 (5 on foot, 20 by car). Eared Grebe, 14; Western Grebe, 1; Pied-billed Grebe, 31; Am. Egret, 1; Green Heron, 2; Am. Bittern, 1; Canada Goose, 404; Mallard, 391; Am. Widgeon, 336; Pintail, 30; Redhead, 1; Ring-necked Duck, 2; Canvas-back, 24; Lesser Scaup, 1; Buffle-head, 1; Ruddy Duck, 71; Am. Merganser, 37; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 10; California Quail, 500 (est.); Gambel's Quail, 1; Am. Coot, 400 (est.); Wilson's Snipe, 9; California Gull, 1; Mourning Dove, 161; White-throated Swift, 14; Anna's Hummingbird, 5; Belted Kingfisher, 1; Red-shafted Flicker, 7; Black Phoebe, 2; Say's Phoebe, 5; Horned Lark, 2; Scrub Jay, 14; Common Raven, 4; Am. Crow, 36; Plain Titmouse, 7; Wren-tit, 8; Bewick's Wren, 3; Rock Wren, 1; Mockingbird, 7; California Thrasher, 6; Am. Robin, 2; Western Bluebird, 63; Golden-crowned Kinglet, 7; Loggerhead Shrike, 4; Audubon's Warbler, 30; Western Meadowlark, 15; Brewer's Blackbird, 500 (est.); House Finch, 275; Lesser Goldfinch, 18; Spotted Towhee, 1; Brown Towhee, 34; Savannah Sparrow, 8; Lark Sparrow, 8; Sage Sparrow, 10; Oregon Junco, 36; Chipping Sparrow, 50; White-crowned Sparrow, 99; Lincoln's Sparrow, 1. **Total,** 60 species (1 additional subspecies); 3718 individuals.—Karl Cady, Margaret Loomis and Evarts Loomis.

433. **Los Angeles, Calif.** (same area as 1937 and subsequent years; city streets 1%, residential areas with lawns & trees 33%, parks, cemeteries, etc., 14%, open grassy areas 4%, brushy slopes & chaparral 28%, wooded areas 5%, reservoirs & lakes 5%, marshes 4%, shore & ocean 5%, other 1%).—Dec. 28; 6:45 a.m. to 5:15 p.m. Light intermittent rain in a.m., clearing in p.m.; temp. 50° to 70°; wind W, 10-20 m.p.h. One hundred and sixteen observers included 93 observers in 41 parties afield, and 23 observers watching yards. Total party-hours, 346 (208 afield on foot, 91 afield by car, 47 at yards); total party-miles, 649 (159 on foot, 490 by car). Common Loon, 1; Red-throated Loon, 2; Horned Grebe, 8; Eared Grebe, 24; Western Grebe, 314; Pied-billed Grebe, 37; Brown Pelican, 97; Double-crested Cormorant, 37; Brandt's Cormorant, 4; Pelagic Cormorant, 3; unidentified cormorants, 2; Great Blue Heron, 10; Am. Egret, 21; Snowy Egret, 31; Green Heron, 3; Black-crowned Night Heron, 68; Am. Bittern, 3; Mallard, 42; Am. Widgeon, 149; Pintail, 20,429; Green-winged Teal, 201; Shoveller, 2501; Redhead, 4; Ring-necked Duck, 20; Canvas-back, 82; Lesser Scaup, 454; Surf Scoter, 389; Ruddy Duck, 68; Red-breasted Merganser, 89; Turkey Vulture, 19; White-tailed Kite, 1; Sharp-shinned Hawk, 11; Cooper's Hawk, 13; Red-tailed Hawk, 31; Red-shouldered Hawk, 1; Marsh Hawk, 7; Osprey, 1 (resident at Silver Lake for past month); Pigeon Hawk, 2; Sparrow Hawk, 130; unidentified hawks, 6; California Quail, 365; Clapper Rail, 1; Am. Coot, 2021; Snowy Plover, 11; Ringed Plover, 2; Killdeer, 181; Black-bellied Plover, 53; Surf-bird, 34; Ruddy Turnstone, 5; Black Turnstone, 47; Wilson's Snipe, 2; Long-billed Curlew, 2; Hudsonian Curlew, 17; Spotted Sandpiper, 16; Willet, 1444; Greater Yellow-legs, 4; Least Sandpiper, 315; Red-backed Sandpiper, 6; Dowitcher, 147; Western Sandpiper, 50; Marbled Godwit, 134; Sanderling, 148; Am. Avocet, 78; unidentified sandpipers, 4; Glaucous-winged Gull, 88; Western Gull, 287; Herring Gull, 12; California Gull, 1820; Ring-billed Gull, 913; Short-billed Gull, 13; Bonaparte's Gull, 698; Heermann's Gull, 273; unidentified gulls, 286; Forster's Tern, 3; Caspian Tern, 1; Band-tailed Pigeon, 12; Mourning Dove, 1127; Spotted Dove, 271; Ringed Turtle Dove, 214; unidentified doves, 37; Road-runner, 1; Barn Owl, 5; Screech Owl, 3; Horned Owl, 6; Short-eared Owl, 4; **nighthawk** (sp.), 5 (see below); **White-throated Swift,** 179 (found by 9 parties; not recorded at all last year); Black-chinned Hummingbird, 1 (H.B.); Anna's Hummingbird, 308; Belted Kingfisher, 5; Red-shafted Flicker, 144; Acorn Woodpecker, 5; Yellow-bellied Sapsucker, 5 (1 Red-naped by Bleitz, 4 Red-breasted); Downy Woodpecker, 1; Nuttall's Woodpecker, 18; **Cassin's Kingbird,** 6 (found by 3 parties); Ash-throated Flycatcher, 2; Black Phoebe, 247; Say's Phoebe, 20; Horned Lark, 47; Scrub Jay, 686; Am. Crow, 6; Mountain Chickadee, 3; Plain Titmouse, 93; Common Bushtit, 1125; Wren-tit, 424; House Wren, 27; Bewick's Wren, 36; Cactus Wren, 4; Long-billed Marsh Wren, 1; Cañon Wren, 3; Rock Wren, 2; unidentified wrens, 7; Mockingbird, 626; California Thrasher, 206; Am. Robin, 1726; Hermit Thrush, 36; Western Bluebird, 54; Blue-gray Gnatcatcher, 15; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 43; Water Pipit, 127; Cedar Waxwing, 231; Loggerhead Shrike, 75; Hutton's Vireo, 13; Orange-crowned Warbler, 6; **Nashville Warbler,** 1 (observed closely at leisure—all field marks noted—Stultz, *et al.*); Audubon's Warbler, 2733; Common Yellowthroat, 5; Black-capped Warbler, 2; House Sparrow, 1887; Western

Meadowlark, 492; Red-winged Blackbird, 181; Tricolored Blackbird, 38; Brewer's Blackbird, 3266; Brown-headed Cowbird, 56; **Black-headed Grosbeak,** 2 (pair wintering at zoo, attracted to spot where discarded feed and refuse from aviaries is dumped); Purple Finch, 20; Cassin's Finch, 7; House Finch, 7789; Pine Siskin, 1; Am. Goldfinch, 261; Lesser Goldfinch, 144; Lawrence's Goldfinch, 23; unidentified goldfinches, 8; Spotted Towhee, 80; Brown Towhee, 931; Savannah Sparrow, 201 (140 Western, 61 Belding's,); Lark Sparrow, 9; Rufous-crowned Sparrow, 22; Slate-colored Junco, 2 (P.C., N.M.; and Getz, Shaw); Oregon Junco, 236; Chipping Sparrow, 123; White-crowned Sparrow, 879; Golden-crowned Sparrow, 152; Fox Sparrow, 17; Lincoln's Sparrow, 11; Song Sparrow, 396; unidentified sparrows & finches, 367 (city, 225; country, 142). **Total,** 151 species (2 additional subspecies); 63,399 individuals actually observed. In the portions of the count circle not actually covered, population estimates were made on the basis of careful censuses of 18 sample plots distributed through the uncovered districts. Estimates for the uncovered portions of the circle are: Brewer's Blackbird, 31,000; House Sparrow, 26,000; House Finch, 21,500; Mourning Dove, 16,000; and 77,000 individuals of 34 other species (including 9310 Rock Doves). Total estimated population in the 15-mile circle (including those actually observed): about 235,000 individuals. The nighthawks were observed together in late afternoon foraging around a power tower near Cahuenga Peak. The observer (T.G.) is quite familiar with these birds, and is well aware of their rarity at this season. All field marks of nighthawk were noted, but light conditions were too poor to determine species.—C. Allen, H. & E. Anderson, M. & L. Anisman, S. Atsatt, F. Ball, R. Barlett, Mrs. G. Bartholomew, H. & D. Baxter, C. Beasley, A. & D. Berry, D. Bleitz, S. Brode, E. Brothers, H. Christensen, C. Christianson, J. & M. Clements, H. Cogswell, P. Colburn, Mr. & Mrs. W. Collins, J. Cunningham (sample plot estimates and asst. compiler), R. Curry, H. Damert, C. Daugherty, G. & M. DeMay, J. Dobson, M. Driver, M. Dunlap, N. Dunn, Mr. & Mrs. H. Eckler, L. Ely, D. Evans, C. Fiscus, W. Flock, H. Foster, J. Frederick, B. Fuller, A. Gamero, T. & B. Gee, D. Getz, H. Giesberg, P. Gould, H. Graves, B. Green, D. Groner, Mr. & Mrs. G. Hastings, B. Hawkins, B. Hoffman, F. Hutchins, H. Isham, F. Jahn, R. Julian, R. Kahn, E. & A. Kennedy, W. Kent, A. Kinninger, W. Lasky, M. Lewis, P. & V. Lindau, R. Mall, W. Marlatt, Mrs. E. Maule, R. McCune, N. McFarland, A. McPhail, E. Michael, Mr. & Mrs. D. Modell, Mr. & Mrs. J. Morain, Mrs. O'Hara, E. Peterson, C. Pflager, B. Pope, K. Puryear, R. Pyle (compiler), D. Quattlebaum, R. Rhodes, Mrs. G. Robeson, R. Royster, M. Salmon, J. Samuelson, Mrs. E. Schwarztrauber, C. Shaw, M. Silvernale, M. & A. Small, A. Snow, N. Spencer, C. Splitter, A. Stultz, C. Swift, J. Tramontano, M. Wait, A. Walden, M. Warrick, A. Watkins, C. Weedmark, M. Wendt, J. Wernicke, H. Williams, R. Wise, G. & J. Woods, V. Yrineo (Los Angeles Audubon Society, Santa Monica Nature Club).

434. Los Banos, Calif. (circle centered near point midway between the towns of Los Banos and Gustine and including portions of the San Luis Wasteway, Garzas Creek, Mud Slough, Salt Slough, the Gustine Duck Club and several smaller duck clubs, and the entire State Wildlife Refuge on Henry Miller Road; open sloughs and lakes 40%, flooded fields 10%, cattail marsh 20%, pasture 10%, grassland 7%, riparian river-bottom growth 3%, plow fields 10%). —Dec. 23; 9:30 a.m. to 5 p.m. Clear; temp. 50° to 65°; wind N to NNW, 6-10 m.p.h.; many depressions in plow fields filled with water from rain the previous day. A good deal of standing water on the lakes and sloughs. Four observers in 2 parties. Total party-hours, 15 (5 on foot, 10 by car); total party-miles, 120 (15 on foot, 105 by car). Western Grebe, 3; Pied-billed Grebe, 4; White Pelican, 11; Double-crested Cormorant, 1; Great Blue Heron, 14; Am. Egret, 8; Snowy Egret, 3; Black-crowned Night Heron, 126; Am. Bittern, 5; Whistling Swan, 81; Canada Goose, 1584; White-fronted Goose, 158; Snow Goose, 16,500 (est.); Ross's Goose, 6; Mallard, 9100 (est.); Gadwall, 246; Am. Widgeon, 1057; Pintail, 3000 (est.); Green-winged Teal, 1300 (est.); Cinnamon Teal, 32; Shoveller, 3151; Ring-necked Duck, 45; Canvasback, 4; Lesser Scaup, 2; Ruddy Duck, 21; Turkey Vulture, 1; White-tailed Kite, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 21; Marsh Hawk, 9; Sparrow Hawk, 45; Ring-necked Pheasant, 7; Virginia Rail, 2; Sora, 4; Florida Gallinule, 5; Am. Coot, 17,900 (est.); Mountain Plover, 10; Killdeer, 12; Black-bellied Plover, 32; Wilson's Snipe, 4; Long-billed Curlew, 301; Greater Yellow-legs, 4; Least Sandpiper, 12; Red-backed Sandpiper, 200; Dowitcher, 728; Western Sandpiper, 62; Am. Avocet, 22; Mourning Dove, 6; Horned Owl, 2; Burrowing Owl, 2; Red-shafted Flicker, 5; Nuttall's Woodpecker, 1; Eastern Phoebe, 1 (seen very well by all observers; gave characteristic call); Black Phoebe, 2; Say's Phoebe, 2; Horned Lark, 23; Tree Swallow, 40; Yellow-billed Magpie, 156; Am. Crow, 1; Long-billed Marsh Wren, 9; Ruby-crowned Kinglet, 1; Water Pipit, 20; Loggerhead Shrike, 29; Audubon's Warbler, 13; Common Yellow-throat, 2; Western Meadowlark, 314; Red-winged Blackbird, 2150; Tricolored Blackbird, 101; Brewer's Blackbird, 2149; House Finch, 96; Am. Goldfinch, 2; Lesser Goldfinch, 15; Savannah Sparrow, 62; White-crowned Sparrow, 88; Golden-crowned Sparrow, 3; Song Sparrow, 8. **Total,** 76 species (2 additional subspecies); about 61,138 individuals.—William Anderson, Robert L. Pyle, Arnold Small (compiler), Millicent Small.

435. Marysville, Calif. (7½-mile radius centering on 4th and E Sts., and including Ellis Lake area, irrigated farmlands north and northeast of Marysville, tule lands and rice fields south of Marysville, and prairie land east of Marysville, extending to entrance of Camp Beale; 25% foothill area, 20% town suburbs, 55% open farmland).—Dec. 21; 7 a.m. to 5 p.m. Cloudy all day; temp. 40° to 34°; wind N to NW, 10-12 m.p.h. Four observers in 3 parties.

Total party-hours, 26 (6 on foot, 20 by car); total party-miles, 131 (6 on foot, 125 by car). Eared Grebe, 10; Pied-billed Grebe, 4; Am. Egret, 40; Black-crowned Night Heron, 51; Canada Goose, 859; Snow Goose, 5; Mallard, 16; Pintail, 1; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 25; California Quail, 8; Ring-necked Pheasant, 17; Florida Gallinule, 13; Am. Coot, 696; Killdeer, 100; Mourning Dove, 3; Barn Owl, 2; Burrowing Owl, 1; Red-shafted Flicker, 29; Acorn Woodpecker, 10; Lewis's Woodpecker, 6; Downy Woodpecker, 1; Black Phoebe, 1; Say's Phoebe, 1; Scrub Jay, 12; Yellow-billed Magpie, 44; Am. Crow, 23; Plain Titmouse, 5; Winter Wren, 1; Mockingbird, 11; Am. Robin, 10; Western Bluebird, 10; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 9; Hutton's Vireo, 3; Myrtle Warbler, 2; Audubon's Warbler, 63; House Sparrow, 151; Western Meadowlark, 313; Brewer's Blackbird, 8764; House Finch, 19; Am. Goldfinch, 205; Spotted Towhee, 5; Brown Towhee, 12; Savannah Sparrow, 1; Lark Sparrow, 80; Oregon Junco, 111; White-crowned Sparrow, 250; Golden-crowned Sparrow, 105; Song Sparrow, 2. **Total,** 53 species; 12,118 individuals.—Mrs. Gertrude Cable (compiler), Sara Jane Ries, Tunia Vandenbout, J. R. Beeson.

436. **Monterey Penninsula, Calif.** (6-mile radius centering on Devil's Hill, including same area as 1949-51 counts; ocean and exposed bays 16%, river-mouth lagoon 4%, beaches 9%, ponds and tule swamps 14%, rocky shore 6%, open fields 8%, brushland 8%, Monterey pine woodland 13%, live oak woodland 4%, golf courses 3%, garden and village streets 8%, redwoods 4%, deciduous woodland 3%).—Dec. 20; 6:55 a.m. to 7:50 p.m. Clear; temp. 47° to 52°; wind NW, up to 35 m.p.h.; ground bare; ocean and bay waters extremely rough; water high in lagoon and ponds, causing dispersal of birds. Seven observers in 4 parties. Total party-hours, 34¾ (28¾ on foot, 6 by car); total party-miles, 36½ (21 on foot, 15½ by car). Common Loon, 2; Arctic Loon, 13; Red-throated Loon, 9; Red-necked Grebe, 3; Horned Grebe, 25; Eared Grebe, 26; Western Grebe, 69; Pied-billed Grebe, 17; Brown Pelican, 161; Brandt's Cormorant, 570; Pelagic Cormorant, 324; Great Blue Heron, 1; Black-crowned Night Heron, 3; Mallard, 39; Pintail, 13; Green-winged Teal, 17; Shoveller, 190; Canvas-back, 23; Lesser Scaup, 22; Buffle-head, 3; White-winged Scoter, 13; Surf Scoter, 84; Ruddy Duck, 44; Red-breasted Merganser, 36; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 12; California Quail, 62; Virginia Rail, 5; Am. Coot, 397; Black Oyster-catcher, 15; Snowy Plover, 34; Killdeer, 49; Surf-bird, 9; Ruddy Turnstone, 1; Black Turnstone, 73; Spotted Sandpiper, 3; Willet, 24; Sanderling, 399; **Red Phalarope,** 379; Glaucous-winged Gull, 119; Western Gull, 110; Herring Gull, 20; California Gull, 188; Ring-billed Gull, 20; Short-billed Gull, 212; Bonaparte's Gull, 1; Heermann's Gull, 20; Common Murre, 10; Ancient Murrelet, 1; Rhinocerous Auklet, 4; Band-tailed Pigeon, 120; Mourning Dove, 1; Barn Owl, 1; Horned Owl, 1; Pygmy Owl, 1; Anna's Hummingbird, 7; Belted Kingfisher, 6; Red-shafted Flicker, 22; Acorn Woodpecker, 11; Hairy Woodpecker, 11; Downy Woodpecker, 3; Black Phoebe, 22; Say's Phoebe, 3; Tree Swallow, 1; Steller's Jay, 8; Scrub Jay, 43; Yellow-billed Magpie, 2; Am. Crow, 15; Chestnut-backed Chickadee, 32; Common Bushtit, 96; Pygmy Nuthatch, 61; Brown Creeper, 5; Wren-tit, 23; House Wren, 1; Winter Wren, 12; Bewick's Wren, 13; Long-billed Marsh Wren, 5; Mockingbird, 1; California Thrasher, 1; Am. Robin, 59; Varied Thrush, 1; Hermit Thrush, 13; Townsend's Solitaire, 1; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 45; Water Pipit, 48; Cedar Waxwing, 7; Loggerhead Shrike, 2; Hutton's Vireo, 8; Orange-crowned Warbler, 1; Audubon's Warbler, 94; Townsend's Warbler, 21; Common Yellowthroat, 2; House Sparrow, 19; Western Meadowlark, 37; Red-winged Blackbird, 49; Tri-colored Blackbird, 3; Brewer's Blackbird, 451; Purple Finch, 10; House Finch, 234; Spotted Towhee, 3; Brown Towhee, 4; Savannah Sparrow, 4; Oregon Junco, 125; White-crowned Sparrow, 182; Golden-crowned Sparrow, 78; Fox Sparrow, 11; Lincoln's Sparrow, 3; Song Sparrow, 23. **Total,** 114 species; 5964 individuals. (Recorded in area Dec. 23: Peregrine Falcon, 1; Red-breasted Nuthatch, 1; on Dec. 28: Hermit Warbler, 1.)—Florence Morrow, Elmer E. Highley, Ken Legg, Dan Miller, John Hudson, F. S. L. Williamson, Laidlaw Williams (compiler).

437. **Morro Bay, Calif.** (same area as in 1951, including Atascadero Lake, state highway 466 from Atascadero to Morro Bay, rocky coast and beach north of Morro Rock, Toro Creek Canyon, shore of Morro Bay from northern end around to south-western corner, road from Cuesta by the Sea to and including Laguna Lake; habitat coverage essentially same as 1951).—Dec. 25; 7 a.m. to 5 p.m. Few high clouds; temp. 50° to 65°; wind variable and light; low tide on Morro Bay in p.m. Two observers working together half the time and separately half the time. Total party-hours, 15 (8 on foot, 7 by car); total party-miles, 82 (7 on foot, 75 by car). Common Loon, 1; Arctic Loon, 1; Red-throated Loon, 4; Horned Grebe, 15; Eared Grebe, 10; Western Grebe, 104; Pied-billed Grebe, 3; White Pelican, 62; Brown Pelican, 41; Double-crested Cormorant, 1; Brandt's Cormorant, 2; Pelagic Cormorant, 1; unidentified cormorants, 13; Great Blue Heron, 63; Am. Egret, 7; Snowy Egret, 3; Black-crowned Night Heron, 2; Canada Goose (Cackling), 1; Black Brant, 473; Mallard, 8; Am. Widgeon, 154; Pintail, 200; Green-winged Teal, 65; Shoveller, 22; Canvas-back, 6; Lesser Scaup, 60; Buffle-head, 60; White-winged Scoter, 16; Surf Scoter, 649; Ruddy Duck, 70; Red-breasted Merganser, 2; Turkey Vulture, 12; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 18; California Quail, 15; Virginia Rail, 2; Sora, 1; Florida Gallinule, 2; Am. Coot, 1386; Killdeer, 13; Black-bellied Plover, 33; Surf-

bird, 6; Black Turnstone, 12; Long-billed Curlew, 2; Hudsonian Curlew, 2; Spotted Sandpiper, 1; Willet, 255; Greater Yellow-legs, 3; unidentified large waders, 4450; Least Sandpiper, 320; Red-backed Sandpiper, 3; Dowitcher, 3; Western Sandpiper, 100; Marbled Godwit, 1033; Sanderling, 9; Am. Avocet, 76; **Red Phalarope,** 16 (identified at leisure in southwest corner of Morro Bay); unidentified small sandpipers, 5600; Glaucous-winged Gull, 14; Western Gull, 63; Herring Gull, 35; California Gull, 9; Ring-billed Gull, 100; Short-billed Gull, 2; Heermann's Gull, 15; unidentified gulls, 1650; Royal Tern, 13; Band-tailed Pigeon, 65; Mourning Dove, 6; Anna's Hummingbird, 3; Belted Kingfisher, 1; Red-shafted Flicker, 10; Acorn Woodpecker, 40; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 3; Black Phoebe, 12; Say's Phoebe, 9; Horned Lark, 1; Steller's Jay, 8; Scrub Jay, 36; Yellow-billed Magpie, 23; Common Raven, 8; Am. Crow, 38; Plain Titmouse, 43; Common Bushtit, 45; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Wren-tit, 13; House Wren, 1; Bewick's Wren, 2; Long-billed Marsh Wren, 3; California Thrasher, 1; Am. Robin, 18; Varied Thrush, 15; Hermit Thrush, 1; Western Bluebird, 39; Townsend's Solitaire, 1; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 13; Loggerhead Shrike, 8; Audubon's Warbler, 66; Common Yellowthroat, 4; House Sparrow, 5; Western Meadowlark, 72; Red-winged Blackbird, 950; Tricolored Blackbird, 2; Brewer's Blackbird, 393; Brown-headed Cowbird, 1; Purple Finch, 35; House Finch, 87; Pine Siskin, 6; Am. Goldfinch, 4; Lesser Goldfinch, 52; Spotted Towhee, 4; Brown Towhee, 16; Savannah Sparrow, 2; Oregon Junco, 89; White-crowned Sparrow, 413; Golden-crowned Sparrow, 4; Lincoln's Sparrow, 1; Song Sparrow, 51. **Total,** 120 species; about 20,130 individuals. The six mountain species not recorded last year were found along highway 466, which was also covered well last year. The duck-hunting season had not yet closed on Morro Bay.—Robert L. Pyle, Arnold Small.

438. Oakland, Calif. (same area as in other years: Bay Farm Island, San Leandro Bay, Alameda, east bay shore from Point Isabelle to S. F. Bay Bridge, University of California campus, Tilden Nature Area, Mountain View Cemetery, Lake Merritt, Orinda Lake, southern tip of San Pablo Reservoir, vicinity of St. Mary's College and Lafayette; bay shore [salt marsh and mud flats] 30%, fresh-water lakes and marshes 18%, canyons wooded with live oak and madrone 15%, coniferous areas [Coast Redwood and Monterey Pine] 6%, riparian growth 6%, chaparral covered hillsides 16%, campus and city parks 9%).—Dec. 28; 6 a.m. to 5:30 p.m. Overcast with fog inland in a.m., fair in p.m.; temp. 38° to 63°; wind N to NW, 3-5 m.p.h., increasing to 10 m.p.h. in afternoon. Thirty-nine observers in 8 parties. Total party-hours, 79¾ (58½ on foot, 21¼ by car); total party-miles, 173 (58 on foot, 115 by car). Arctic Loon, 1; Red-throated Loon, 11; Red-necked Grebe, 1; Horned Grebe, 16; Eared Grebe, 164; Western Grebe, 85; Pied-billed Grebe, 23; White Pelican, 50; Brown Pelican, 8; Double-crested Cormorant, 51; Great Blue Heron, 9; Am. Egret, 21; Snowy Egret, 2; Black-crowned Night Heron, 8; Canada Goose, 720; White-fronted Goose, 3; Snow Goose, 1; Mallard, 85; Am. Widgeon, 488; Pintail, 391; Green-winged Teal, 39; Shoveller, 51; Ring-necked Duck, 87; Canvas-back, 608; Greater Scaup, 1; Lesser Scaup, 2328; Am. Golden-eye, 207; Buffle-head, 50; White-winged Scoter, 2; Surf Scoter, 37; Ruddy Duck, 3851; Hooded Merganser, 10; Am. Merganser, 11; Red-breasted Merganser, 8; Turkey Vulture, 6; Sharp-shinned Hawk, 7; Cooper's Hawk, 1; Red-tailed Hawk, 21; Red-shouldered Hawk, 1 (F.S.); Marsh Hawk, 1; Sparrow Hawk, 39; California Quail, 121; Clapper Rail, 1; Am. Coot, 2684; Ringed Plover, 46; Killdeer, 44; Black-bellied Plover, 57; Ruddy Turnstone, 2; Black Turnstone, 6; Long-billed Curlew, 77; Spotted Sandpiper, 1; Willet, 2231; Greater Yellow-legs, 7; Baird's Sandpiper, 1 (B.N.) [no other details—Ed.]; Least Sandpiper, 10; Red-backed Sandpiper, 82; Dowitcher, 41; Western Sandpiper, 5960; Marbled Godwit, 553; Sanderling, 372; Am. Avocet, 926; Glaucous-winged Gull, 1548; Western Gull, 88; Herring Gull, 45; California Gull, 750; Ring-billed Gull, 294; Short-billed Gull, 55; Bonaparte's Gull, 905; Forster's Tern, 180; Band-tailed Pigeon, 41; Mourning Dove, 42; Burrowing Owl, 1; Short-eared Owl, 13; Anna's Hummingbird, 39; Belted Kingfisher, 1; Red-shafted Flicker, 85; Acorn Woodpecker, 28; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 5; Nuttall's Woodpecker, 2; Black Phoebe, 16; Say's Phoebe, 4; Horned Lark, 1; Steller's Jay, 23; Scrub Jay, 186; Am. Crow, 12; Chestnut-backed Chickadee, 6; Plain Titmouse, 66; Common Bushtit, 195; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 4; Brown Creeper, 1; Wren-tit, 29; House Wren, 1; Winter Wren, 3; Bewick's Wren, 8; Mockingbird, 8; California Thrasher, 1; Am. Robin, 2261; Varied Thrush, 99; Hermit Thrush, 32; Western Bluebird, 44; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 79; Water Pipit, 96; Cedar Waxwing, 144; Phainopepla, 1 (♂ 2nd winter here L.L.J.); Loggerhead Shrike, 14; Hutton's Vireo, 6; Audubon's Warbler, 187; House Sparrow, 809; Western Meadowlark, 180; Red-winged Blackbird, 57; Brewer's Blackbird, 1128; Black-headed Grosbeak, 1 (2nd winter here—♂ in partial imm. plumage —A.B.); Purple Finch, 13; House Finch, 472; Pine Siskin, 65; Am. Goldfinch, 2; Lesser Goldfinch, 209; Spotted Towhee, 55; Brown Towhee, 138; Savannah Sparrow, 43; Rufous-crowned Sparrow, 5; Slate-colored Junco, 1; (D.B. R.C.); Oregon Junco, 676; White-crowned Sparrow, 548; Golden-crowned Sparrow, 115; Fox Sparrow, 9; Lincoln's Sparrow, 2; Song Sparrow, 116. **Total,** 132 species; 35,038 individuals. Approximately 9000 unidentified ducks seen on San Francisco Bay—in past years these rafts have been composed primarily of scaup (sp.). Also observed, some 3000 unidentified gulls. (Seen in area on Dec. 26: 4 Wood Ducks.)—Betty Adamson, Harry Adamson (compiler), Warren Armstrong, Sadie Bozant, Doris

Brenneman, Myra Browne, Richard Canida, Paul Covel, Hallie Curl, Larry Curl, Mrs. Luther Dunlap, Mr. Luther Dunlap, David Farrow, Patricia Fawcett, Thelma Gentry, Ina Gourley, Joel Hedgpeth, Leroy Jensen, Allen Johnson, Junea Kelly, L. R. Leinbach, Don McDonald Arthur Myer, Beatrice Nielsen, George Nielsen, Donald Patton, Harold Peterson, Bill Pope, Russell Pray, Amy Rinehart, Glen Rhodes, Frank Scott, Sandy Sprunt, Lee Stallcup, Bob Traxler, Evelyn Van Scyoc, Marjorie Van Scyoc, Peter Veitch, Herbert Wong (Golden Gate Audubon Society).

439. **Oceanside-Vista, Calif.** (15-mile diam. from Oceanside-Carlsbad to Vista and Bonsall areas, including Lt. Maxton Brown Bird Sanctuary and adjoining Pacific beach; Gopher Canyon and lower San Luis Rey valley; brackish lagoon 30%, sandy beach 20%, dry river bottoms and brushy margins 40%, tule marsh 10%).—Dec. 27; 8:30 a.m. to 5 p.m. Fair with high cirrus in a.m., cloudy with sprinkle of rain in late p.m.; temp. 50° to 55°; wind 5-8 m.p.h.; ground damp from recent rains. Four observers in 3 parties. Total party-hours, 24 (4 on foot, 20 by car); total party-miles, 65 (9 on foot, 56 by car). Horned Grebe, 4; Eared Grebe, 1; Western Grebe, 2; Pied-billed Grebe, 8; Brown Pelican, 4; Double-crested Cormorant, 2; Brandt's Cormorant, 1; Great Blue Heron, 1; Am. Egret, 4; Snowy Egret, 6; Mallard, 6; Gadwall, 3; Pintail, 77; Green-winged Teal, 10; Cinnamon Teal, 4; Shoveller, 550; Ruddy Duck, 19; White-tailed Kite, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 2; Golden Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 14; California Quail, 1; Ring-necked Pheasant, 7; Clapper Rail, 1; Am. Coot, 711; Killdeer, 38; Black-bellied Plover, 2; Wilson's Snipe, 2; Hudsonian Curlew, 1; Willet, 6; Greater Yellow-legs, 4; Red Knot, 2; Dowitcher, 1; Western Sandpiper, 200; Marbled Godwit, 4; Sanderling, 14; Am. Avocet, 4; California Gull, 8; Ring-billed Gull, 30; Common Tern, 5; Mourning Dove, 53; Spotted Dove, 2; Barn Owl, 1; Anna's Hummingbird, 10; Belted Kingfisher, 1; Red-shafted Flicker, 15; Acorn Woodpecker, 5; Yellow-bellied Sapsucker, 2 (Red-naped, 1; Red-breasted, 1); Nuttall's Woodpecker, 3; Western Kingbird, 4; Cassin's Kingbird, 12; Black Phoebe, 13; Say's Phoebe, 5; Violet-green Swallow, 15; Scrub Jay, 6; Common Raven, 1; Am. Crow, 31; Plain Titmouse, 3; Common Bushtit, 20; Wren-tit, 2; Mockingbird, 9; California Thrasher, 1; Am. Robin, 31; Western Bluebird, 77; Ruby-crowned Kinglet, 3; Water Pipit, 100 (est.); Cedar Waxwing, 17; Loggerhead Shrike, 12; Hutton's Vireo, 1; Orange-crowned Warbler, 2; Audubon's Warbler, 76; Common Yellowthroat, 5; House Sparrow, 33; Western Meadowlark, 53; Red-winged Blackbird, 373; Brewer's Blackbird, 799; Purple Finch, 3; House Finch, 475; Lesser Goldfinch, 33; Spotted Towhee, 2; Brown Towhee, 20; Savannah Sparrow, 1; Lark Sparrow, 66; White-crowned Sparrow, 251; Golden-crowned Sparrow, 2; Song Sparrow, 14. **Total,** 89 species; about 4438 individuals. (Seen in area during count period, Cedar Waxwing, 50; Burrowing Owl, 1—D.T.W.)—Mrs. H. D. Brown, L. Claire Hulbert (compiler), Louis B. Weaver, Dale T. Wood (Buena Vista Audubon Society).

440. **Orange County (central and coastal), Calif.** (7½-mile radius centering near Huntington Beach, and including area from Corona Del Mar to Seal Beach inland to Santa Ana; ocean 10%, salt marsh 40%, fields 30%, grass lands 10%, urban 10%).—Dec. 27; 7 a.m. to 5 p.m. Overcast in morning with rain clearing in afternoon; temp. 43° to 60°; wind W, 0-10 m.p.h.; ground wet from recent rains. Nine observers in 2 parties. Total party-hours, 19 (14 on foot, 5 by car); total party-miles, 67 (10 on foot, 57 by car). Common Loon, 2; Red-throated Loon, 5; Horned Grebe, 18; Eared Grebe, 26; Western Grebe, 54; Pied-billed Grebe, 36; Brown Pelican, 54; Double-crested Cormorant, 61; Brandt's Cormorant, 2; Great Blue Heron, 21; Am. Egret, 64; Snowy Egret, 47; Canada Goose, 52; Black Brant, 17; Mallard, 7; Am. Widgeon, 7; Pintail, 756; Green-winged Teal, 3; Cinnamon Teal, 2; Shoveller, 81; Lesser Scaup, 32; Am. Golden-eye, 3 (seen clearly by 5 observers); Buffle-head, 1; Surf Scoter, 310; Ruddy Duck, 467; Red-breasted Merganser, 32; White-tailed Kite, 1; Red-tailed Hawk, 2; Marsh Hawk, 10; Sparrow Hawk, 20; Ring-necked Pheasant, 3; Am. Coot, 785; Snowy Plover, 64; Ringed Plover, 1; Killdeer, 39; Black-bellied Plover, 59; Black Turnstone, 5; Wilson's Snipe, 5; Long-billed Curlew, 12; Hudsonian Curlew, 9; Spotted Sandpiper, 2; Wandering Tattler, 1; Willet, 544; Greater Yellow-legs, 10; Lesser Yellow-legs, 11; Least Sandpiper, 1440; Red-backed Sandpiper, 356; Dowitcher, 180; Western Sandpiper, 1870; Marbled Godwit, 601; Sanderling, 188; Am. Avocet, 61; Glaucous Gull, 1 [no details—Ed.]; Glaucous-winged Gull, 4; Western Gull, 266; Herring Gull, 53; California Gull, 50; Ring-billed Gull, 652; Bonaparte's Gull, 1; Heermann's Gull, 62; Forster's Tern, 137; Common Tern, 3 [no details—Ed.]; Caspian Tern, 5; Ancient Murrelet, 1 (crippled); Mourning Dove, 1; Barn Owl, 1; Short-eared Owl, 13; Anna's Hummingbird, 4; Belted Kingfisher, 4; Red-shafted Flicker, 1; Black Phoebe, 5; Say's Phoebe, 2; Horned Lark, 2; Am. Crow, 3; Bewick's Wren, 6; Long-billed Marsh Wren, 31; Rock Wren, 2; Mockingbird, 10; California Thrasher, 1; Blue-gray Gnatcatcher, 3; Water Pipit, 22; Loggerhead Shrike, 26; Audubon's Warbler, 22; Common Yellowthroat, 4; House Sparrow, 179; Western Meadowlark, 223; Yellow-headed Blackbird, 1; Red-winged Blackbird, 1150; Tricolored Blackbird, 3; Brewer's Blackbird, 909; House Finch, 760; Am. Goldfinch, 2; Lesser Goldfinch, 17; Spotted Towhee, 1; Brown Towhee, 17; Savannah Sparrow, 38 (including 10 Belding's); White-crowned Sparrow, 231; Golden-crowned Sparrow, 1; Lincoln's Sparrow, 2; Song Sparrow, 69. **Total,** 101 species (1 additional subspecies); 13,439 individuals. — Arnold Lane (compiler), Francis Raymond, Jerry N. Palmer, Mrs. Helen Brough, Vanche Etoile Plumb, Mabel Whiting, Mrs. Orville Johnson, Alice Zimmerman, Fern Zimmerman.

441. **Orange County (northeastern), Calif.**

(Peter's Canyon, Irvine Park, Modjeska Canyon, Tucker Hummingbird Sanctuary, Panter Ranch, Aliso Canyon, Trabuco Canyon flats, Tustin area, within 15-mile diameter; cultivated area 10%, foothills 90%).—Dec. 27; 7:45 a.m. to 5 p.m. Clear in a.m. to cloudy in p.m.; temp. 35° to 70°; wind less than 1 m.p.h.; observation conditions fair; visibility about ½ mile. Five observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 75 (4 on foot, 71 by car). Eared Grebe, 1; Western Grebe, 4; Am. Widgeon, 2; Pintail, 18; Green-winged Teal, 1; Shoveller, 21; Ruddy Duck, 105; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 19; California Quail, 66; Am. Coot, 142; California Gull, 1; Least Tern, 1; Mourning Dove, 75; Spotted Dove, 2; Road-runner, 1; Black-chinned Hummingbird, 1 [no details—Ed.]; Anna's Hummingbird, 20; Red-shafted Flicker, 7; Acorn Woodpecker, 27; Black Phoebe, 2; Say's Phoebe, 5; Scrub Jay, 12; Am. Crow, 83; Common Bushtit, 3; Wren-tit, 9; House Wren, 2; Mockingbird, 5; California Thrasher, 6; Am. Robin, 110; Western Bluebird, 30; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 6; Loggerhead Shrike, 1; Hutton's Vireo, 1; Audubon's Warbler, 28; Western Meadowlark, 39; Tricolored Blackbird, 15; Brewer's Blackbird, 400 (est.); Purple Finch, 5; House Finch, 144; Am. Goldfinch, 45; Lawrence's Goldfinch, 3; Spotted Towhee, 2; Brown Towhee, 39; Lark Sparrow, 80; Chipping Sparrow, 40; White-crowned Sparrow, 98; Golden-crowned Sparrow, 1; Song Sparrow, 9. **Total,** 53 species; 1746 individuals.—Eric E. Eastman, Margaret Harding (compiler), Harry Musser, Harry Pritchard, Ruth Smith.

442. Pasadena—San Gabriel Valley, Calif. (same territory as in 1951).—Dec. 27; 6:15 a.m. to 2:30 p.m. Overcast, with showers; temp. 42° to 66°; wind SW to W, 3-10 m.p.h.; rain from 2 p.m. on. Forty-one observers in 12 parties. Total party-hours, 84 (80 on foot, 4 by car); total party-miles, 90 (65 on foot, 25 by car). Pied-billed Grebe, 6; Great Blue Heron, 5; Am. Egret, 20; Snowy Egret, 23; Green Heron, 6; Black-crowned Night Heron, 1; Mallard, 8; Pintail, 11; Cinnamon Teal, 1; Redhead, 5; Ring-necked Duck, 39; Canvasback, 76; Lesser Scaup, 3; Ruddy Duck, 11; Sharp-shinned Hawk, 3; Cooper's Hawk, 6; Red-tailed Hawk, 7; Red-shouldered Hawk, 8; **Swainson's Hawk,** 1 [no details—Ed.]; Pigeon Hawk, 2; Sparrow Hawk, 48; California Quail, 33; Ring-necked Pheasant, 7; Florida Gallinule, 1; Am. Coot, 321; Killdeer, 469; Wilson's Snipe, 7; Greater Yellow-legs, 5; Least Sandpiper, 21; Sanderling, 6; California Gull, 122; Ring-billed Gull, 49; Band-tailed Pigeon, 141; Mourning Dove, 311; Spotted Dove, 376; Screech Owl, 4; Horned Owl, 3; Burrowing Owl, 2; White-throated Swift, 1; Anna's Hummingbird, 53; Belted Kingfisher, 1; Red-shafted Flicker, 94; Acorn Woodpecker, 24; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 24; Nuttall's Woodpecker, 9; Ash-throated Flycatcher, 1; Black Phoebe, 38; Say's Phoebe, 6; Horned Lark, 4; Steller's Jay, 33; Scrub Jay, 62; Am. Crow, 252; Mountain Chickadee, 151; Plain Titmouse, 26; Common Bushtit, 163; White-breasted Nuthatch, 12; Wren-tit, 77; House Wren, 6; Bewick's Wren, 24; Long-billed Marsh Wren, 4; Cañon Wren, 4; Rock Wren, 3; Mockingbird, 164; California Thrasher, 32; Am. Robin, 253; Hermit Thrush, 27; Western Bluebird, 23; Blue-gray Gnatcatcher, 21; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 41; Water Pipit, 566; Cedar Waxwing, 610; Loggerhead Shrike, 56; Hutton's Vireo, 7; Orange-crowned Warbler, 9; Audubon's Warbler, 379; **Palm Warbler,** 1 (Mrs. O.M.T., Mrs. J.H.C., J.T.); **Macgillivray's Warbler,** 1 (C.D., M.W.); Common Yellowthroat, 35; Black-capped Warbler, 1; House Sparrow, 773; Western Meadowlark, 213; Red-winged Blackbird, 3067; Brewer's Blackbird, 1044; Cardinal, 27; Purple Finch, 8; Cassin's Finch, 11; House Finch, 2822; Pine Siskin, 103; Am. Goldfinch, 53; Lesser Goldfinch, 189; Lawrence's Goldfinch, 1; Spotted Towhee, 91; Brown Towhee, 263; Savannah Sparrow, 106; Lark Sparrow, 27; Oregon Junco, 209; Chipping Sparrow, 5; White-crowned Sparrow, 872; Golden-crowned Sparrow, 34; Lincoln's Sparrow, 7; Song Sparrow, 192. **Total,** 104 species (1 additional subspecies); about 15,592 individuals.—Leta Adams, Bess, Archbald, Mr. & Mrs. W. Barnett, Arthur Barr, Donald Barr, Mr. & Mrs. H. Baxter, Mr. & Mrs. L. Best, H. Christianson, Mr. & Mrs. J. H. Comby, Caroline Daugherty, Jerry Dobsen, Helen Doyle, Marilyn Doyle, J. Forsman, Pat Gould, Bill Hawkins, Harriet Hull, Alice, Laurel, Ardath Kinninger, E. McGregor, Enid Michael, Marguerite Parker, Dan Quattlebaum, Roberta Rumble, Earl & Evart Streeter, Alma Stultz, Darnell Thede, Mrs. O. M. Thompson, J. Tramontano, May Wait, Cora Wilson, Jo Ann Wilson, John Willis, Gertrude Woods, Jan Woods.

443. Paso Robles, Calif. (Paso Robles dooryards and brushy hillside on edge of town, poison-oak thickets, live oak and blue oak trees, [on foot]. In afternoon about 5 miles south and east [by car] along Salinas River road, cottonwood trees, toyon berries).—Dec. 27; 7 a.m. to 4 p.m.; temp. 58° to 60°. Seven observers in 2 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 8 (2 on foot, 6 by car). Snowy Egret, 1; Green Heron, 1; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 12; Pigeon Hawk, 1; Sparrow Hawk, 1; Am. Coot, 6; Killdeer, 6; Road-runner, 1; Mountain Owl, 1; Anna's Hummingbird, 1; Red-shafted Flicker, 4; Acorn Woodpecker, 10; Nuttall's Woodpecker, 1; Western Kingbird, 1; Black Phoebe, 1; Olive-sided Flycatcher, 1 [no details—Ed.]; Horned Lark, 3; Scrub Jay, 6; Yellow-bellied Magpie, 3; Common Raven, 1; Plain Titmouse, 10; Common Bushtit, 20; White-breasted Nuthatch, 2; Wren-tit, 1; Bewick's Wren, 2; Mockingbird, 4; California Thrasher, 1; Am. Robin, 300; Western Bluebird, 3; Ruby-crowned Kinglet, 2; Cedar Waxwing, 50; Phainopepla, 4; Loggerhead Shrike, 1; Audubon's

Warbler, 30; House Sparrow, 6; Western Meadowlark, 50; Red-winged Blackbird, 10; Brewer's Blackbird, 10; Purple Finch, 6; House Finch, 6; Lesser Goldfinch, 6; Spotted Towhee, 1; Brown Towhee, 1; Oregon Junco, 2; White-crowned Sparrow, 30; Golden-crowned Sparrow, 8; Song Sparrow, 1. **Total,** 50 species; 632 individuals.—Frida Knight, Clare Hardham, Ida Livingston, Irene McConnell, Ruth Parker, Harold Ernst, Georgia Brown (compiler).

444. Pauma Valley (northern San Diego Co.), Calif. (same as last year with addition of two small reservoirs, more chaparral and less river bottom).—Dec. 27; 6:30 a.m. to 4:30 p.m. Lightly clouded to clear; temp. 32° to 61°; wind very light, 2 hrs. in p.m.; lake nearly full, creeks and river dry. Five observers in 3 parties. Total party-hours, 26 (18 on foot, 8 by car); total party-miles, 46 (16 on foot, 30 by car). Pied-billed Grebe, 2; Shoveller, 146; Lesser Scaup, 6; Ruddy Duck, 5; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 24; California Quail, 105; Am. Coot, 5; Killdeer, 6; Spotted Sandpiper, 8; Ring-billed Gull, 82; Band-tailed Pigeon, 97; Mourning Dove, 145; Road-runner, 6; Barn Owl, 3; Anna's Hummingbird, 3; Red-shafted Flicker, 10; Acorn Woodpecker, 29; Yellow-bellied Sapsucker, 1; Black Phoebe, 18; Say's Phoebe, 18; Scrub Jay, 24; Am. Crow, 20; Plain Titmouse, 14; Common Bushtit, 52; White-breasted Nuthatch, 1; Wren-tit, 13; House Wren, 1; Bewick's Wren, 11; Rock Wren, 1; Mockingbird, 4; California Thrasher, 12; Am. Robin, 66; Varied Thrush, 6; Hermit Thrush, 5; Western Bluebird, 102; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 21; Water Pipit, 30; Cedar Waxwing, 62; Loggerhead Shrike, 4; Audubon's Warbler, 311 (70 est.); House Sparrow, 8; Western Meadowlark, 51; Red-winged Blackbird, 62 (12 est.); Brewer's Blackbird, 805 (600 est.); Summer Tanager, 1 (♀, collected); Purple Finch, 2; House Finch, 290; Lesser Goldfinch, 24; Spotted Towhee, 12; Brown Towhee, 24; Vesper Sparrow, 1; Lark Sparrow, 23; Rufous-crowned Sparrow, 1; Oregon Junco, 22; Chipping Sparrow, 14; White-crowned Sparrow, 172; Golden-crowned Sparrow, 3; Song Sparrow, 9. **Total,** 62 species; 3011 individuals. (Seen in area Dec. 20 to 28: Red-shouldered Hawk, Orange-crowned Warbler, Lawrence's Goldfinch, Savannah Sparrow.)—Mr. and Mrs. Homer V. Sharpless, Mrs. Sidney S. Doner, Fred N. Gallup, Mrs. Millard J. Beemer.

445. Red Bluff, Calif. (7½-mile radius centering around Red Bluff, and including the Nielsen Reservation, Sacramento River and adjacent sloughs from Red Bluff to Bend-Jelly area, Beegum Road along Dibble Creek; pasture 15%, town suburb 10%, rolling grassland 25%, river and slough areas 10%, creeks and gravel bars 10%, semi-brush covered hills 15%, deciduous plots and olive grove 10%, pine and juniper association and rain lakes 5%).—Dec. 22; 8 a.m. to 5 p.m. Clear; temp. 36° to 45°; wind E to SE, 0-5 m.p.h.; ground damp to wet from recent rains. Four observers in 1 party. Total party-hours, 8; total party-miles, 56 (6 on foot, 50 by car). Common Loon, 1; Pied-billed Grebe, 3; Great Blue Heron, 7; Am. Egret, 6; Black-crowned Night Heron, 1; Whistling Swan, 15; Canada Goose, 230; White-fronted Goose, 100 (est.); Snow Goose, 70; Mallard, 38; Am. Widgeon, 32; Pintail, 10; Green-winged Teal, 4; Shoveller, 16; Wood Duck, 25; Canvas-back, 3; Ruddy Duck, 21; Turkey Vulture, 67; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Golden Eagle, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 30; California Quail, 120; Ring-necked Pheasant, 27; Sandhill Crane, 38; Am. Coot, 257; Killdeer, 73; Wilson's Snipe, 100 (est.); Greater Yellow-legs, 2; Least Sandpiper, 5; Dowitcher, 7; Mourning Dove, 66; Road-runner, 1; Barn Owl, 2; Screech Owl, 3; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-shafted Flicker, 140; Acorn Woodpecker, 63; Lewis's Woodpecker, 80; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 3; Say's Phoebe, 2; Horned Lark, 300 (est.); Blue Jay, 33; Steller's Jay, 6; Yellow-billed Magpie, 250 (est.); Am. Crow, 300 (est.); Plain Titmouse, 16; Common Bushtit, 50; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 1; Wren-tit, 3; Am. Dipper, 1; Bewick's Wren, 2; Rock Wren, 1; Mockingbird, 1; California Thrasher, 3; Am. Robin, 23; Varied Thrush, 1; Western Bluebird, 34; Mountain Bluebird, 1; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 10; Water Pipit, 64; Cedar Waxwing, 25; Gray Shrike, 5; Hutton's Vireo, 6; Orange-crowned Warbler, 1; Audubon's Warbler, 56; Townsend's Warbler, 1; House Sparrow, 50; Western Meadowlark, 500 (est.); Brewer's Blackbird, 306; Purple Finch, 150 (est.); House Finch, 250 (est.); Pine Siskin, 15; Lesser Goldfinch, 300 (est.); Green-tailed Towhee, 1; Spotted Towhee, 16; Brown Towhee, 26; Savannah Sparrow, 29; Lark Sparrow, 42; Oregon Junco, 400 (est.); White-crowned Sparrow, 350 (est.); Golden-crowned Sparrow, 2; Fox Sparrow, 5; Lincoln's Sparrow, 1; Song Sparrow, 10. **Total,** 98 species; about 5355 individuals.—Virginia H. Campbell, Rodney Gregg, Beatrice Wise Nielsen, G. W. Nielsen.

446. Redlands, Calif. (7½-mile radius centering on Igo's Center, Mill Creek Canyon, Camp Angelus to Barton Flats and Jenks Lake, upper Mill Creek Canyon as far as Big Falls, lower canyon to mouth at ranger station, Oak Glen, Wildwood Canyon Road to Yucaipa, north to Mill Creek Road and west to center of Mentone; dry coniferous forest 40%, chaparral 15%, wooded canyons 20%, open fields and dry washes 25%).—Dec. 27; 8:30 a.m. to 5:30 p.m. Clear in a.m., overcast p.m. by midafternoon raining below 4000 feet, snowing in mountains; temp. 52° to 31° in the evening; Jenks Lake frozen over, Mill Creek and lower standing water open; wind 0-12 m.p.h. Four observers in 2 parties. Total party-hours, 14 (8 on foot, 6 by car); total party-miles, 90 (12 on foot, 78 by car).

Mallard, 4; Cooper's Hawk, 1; Sparrow Hawk, 7; California Quail, 20; Am. Coot, 1; Band-tailed Pigeon, 2; Road-runner, 1; Red-shafted Flicker, 3; Acorn Woodpecker, 34; Hairy Woodpecker, 3; Nuttall's Woodpecker, 1; White-headed Woodpecker, 4; Black Phoebe, 1; Steller's Jay, 41; Scrub Jay, 32; Mountain Chickadee, 57; Plain Titmouse, 6; Common Bushtit, 10; White-breasted Nuthatch, 12; Pygmy Nuthatch, 31; Wren-tit, 1; Bewick's Wren, 3; Mockingbird, 5; California Thrasher, 3; Am. Robin, 6; Varied Thrush, 1; Hermit Thrush, 2; Western Bluebird, 78; Ruby-crowned Kinglet, 5; Water Pipit, 4; Phainopepla, 3; Loggerhead Shrike, 3; Hutton's Vireo, 1; Audubon's Warbler, 23; House Sparrow, 100; Brewer's Blackbird, 260; Purple Finch, 6; House Finch, 400; Pine Siskin, 50; Am. Goldfinch, 59; Spotted Towhee, 3; Brown Towhee, 2; Lark Sparrow, 8; Rufous-crowned Sparrow, 2; Sage Sparrow, 2; Slate-colored Junco, 3; Oregon Junco, 51; White-crowned Sparrow, 16; Golden-crowned Sparrow, 31; Fox Sparrow, 2; Song Sparrow, 1. **Total,** 50 species; about 1404 individuals.—Jeanne Goodman, J. D. Goodman (compiler), G. J. Hollenberg, C. D. Howell.

447. Sacramento, Calif. (7½-mile radius centering at confluence of Sacramento and American Rivers; towns and suburbs 25%, open fields 60%, open water 7%, riparian woodland 5%, cattail marsh 3%).—Dec. 28; 7:30 a.m. to 5 p.m. Clear; temp. 44° to 57°; wind N, 18 m.p.h. in a.m., NW, 8 m.p.h. in p.m. Thirty-six observers in 11 parties. Total party-hours, 81 (30 on foot, 46 by car, 4 by motor-boat, 1 by airplane); total party-miles, 400 (20 on foot, 370 by car, 10 by motor-boat, air mileage not shown). Eared Grebe, 3; Pied-billed Grebe, 35; White Pelican, 27; Double-crested Cormorant, 2; Great Blue Heron, 51; Am. Egret, 98; Snowy Egret, 2; Green Heron, 6; Black-crowned Night Heron, 240; Am. Bittern, 2; Whistling Swan, 240; Canada Goose, 1900 (est.) [Lesser Canadas and Cackling Geese also noted]; White-fronted Goose, 2000 (est.); Snow Goose, 7000 (est.); Mallard, 1600 (est.); Gadwall, 300 (est.); Am. Widgeon, 1000 (est.); Pintail, 31,000 (est.); Green-winged Teal, 1000 (est.); Cinnamon Teal, 100 (est.); Shoveller, 1500 (est.); Wood Duck, 7; Redhead, 60; Ring-necked Duck, 130; Canvas-back, 127; Ruddy Duck, 62; Turkey Vulture, 1; White-tailed Kite, 9; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 36; Red-shouldered Hawk, 5; Marsh Hawk, 53; Sparrow Hawk, 177; California Quail, 89; Ring-necked Pheasant, 56; Florida Gallinule, 18; Am. Coot, 1600 (est.); Mountain Plover, 20; Killdeer, 300; Willet, 100; Dowitcher, 68; Herring Gull, 2; California Gull, 1800 (est.); Ring-billed Gull, 400 (est.); Mourning Dove, 36; Barn Owl, 5; Screech Owl, 2; Horned Owl, 1; Burrowing Owl, 7; Anna's Hummingbird, 5; Belted Kingfisher, 11; Red-shafted Flicker, 166; Acorn Woodpecker, 33; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 12; Nuttall's Woodpecker, 20; Black Phoebe, 32; Say's Phoebe, 1; Horned Lark, 205; Scrub Jay, 172; Yellow-billed Magpie, 240; Am. Crow, 140; Plain Titmouse, 50; Common Bushtit, 110; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 4; Wren-tit, 6; House Wren, 5; Bewick's Wren, 31; Long-billed Marsh Wren, 14; Mockingbird, 30; Am. Robin, 410; Varied Thrush, 6; Hermit Thrush, 11; Western Bluebird, 35; Mountain Bluebird, 5; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 1000 (est.); Water Pipit, 1200 (est.); Cedar Waxwing, 540; Loggerhead Shrike, 31; Orange-crowned Warbler, 5; Myrtle Warbler, 3; Audubon's Warbler, 1200 (est.); House Sparrow, 1050; Western Meadowlark, 3050; Red-winged Blackbird, 650 (est.); Brewer's Blackbird, 6200 (est.); Brown-headed Cowbird, 8; Evening Grosbeak, 6; Purple Finch, 16; House Finch, 3500 (est.); Am. Goldfinch, 490; Lesser Goldfinch, 648; Spotted Towhee, 130; Brown Towhee, 50; Savannah Sparrow, 4000 (est.); Lark Sparrow, 5; Oregon Junco, 390; White-crowned Sparrow, 2340; Golden-crowned Sparrow, 755; Fox Sparrow, 16; Lincoln's Sparrow, 2; Song Sparrow, 27. **Total,** 106 species (2 additional subspecies); 82,387 individuals. (Chipping Sparrows seen prior to the count—J.R.F.)—Mr. & Mrs. A. J. Argante, Tod Argante, Georgia Borchert, Roger Wayne Brown, Helen Cohn, Ida Belle Craig, George C. Dobbins, Fred Evenden, John Ripley Forbes, Mrs. James J. Grant, Mrs. Ruby Hutchinson, Antonia Hyatt, Celeste Johnson, Betty Lou Kaiser, Mrs. Fritz Kaminsky, Mrs. Harold Kimball, Helen Kimball, William Kirsher (compiler), Mrs. Lucy Jane Labhard, Nancy Labhard, Mr. & Mrs. Dalton Merkel, Kenneth McGilvray, Mrs. Alfrieda Meuser, Mr. & Mrs. Wayne O'Neil, E. R. Pickett, Dennis Price, Paul H. Steele, Bruce Swinehart, Mr. & Mrs. James Wanzer, Alice Williams, Mrs. Effie Yeaw, Edward Yeaw.

448. Sacramento National Wildlife Refuge, Calif. (census confined primarily to the vicinity of the refuge proper; fresh-water lakes and sloughs 40%, fresh-water marsh 25%, cultivated fields 20%, plowed fields 10%, farmland oak plots 5%).—Dec. 21; 7:15 a.m. to 5:15 p.m. Clear; temp. 37° to 68°; wind ENE to N, 18-20 m.p.h.; census taken on a shoot day resulted in more accurate estimation of waterfowl since concentrations resulted from the shooting. Five observers in 2 parties. Total party-hours, 20 (5 on foot, 15 by car); total party-miles, 45 (5 on foot, 40 by car). Eared Grebe, 1; Pied-billed Grebe, 6; White Pelican, 72; Great Blue Heron, 16; Am. Egret, 33; Snowy Egret, 7; Black-crowned Night Heron, 372; Am. Bittern, 4; Least Bittern, 1; Whistling Swan, 1401; Canada Goose, 4708; White-fronted Goose, 13,280 (est.); Snow Goose, 70,380 (est.); Ross's Goose, 3; Mallard, 54,000 (est.); Gadwall, 15; Am. Widgeon, 41,000 (est.); Pintail, 493,000 (est.); Green-winged Teal, 12,000 (est.); Cinnamon Teal, 13; Shoveller, 12,000 (est.); Ring-necked Duck, 49; Canvas-back, 1; Am. Golden-eye, 1; Bufflehead, 1; Ruddy Duck, 72; Am. Merganser, 3; Red-tailed Hawk, 18; Marsh Hawk, 10; Peregrine Falcon, 3; Sparrow Hawk, 4; Ring-necked Pheasant,

135; Florida Gallinule, 3; Am. Coot, 10,075 (est.); Killdeer, 11; Long-billed Curlew, 3100; Greater Yellow-legs, 1; Least Sandpiper, 120; Dowitcher, 1; Am. Avocet, 213; Glaucous-winged Gull, 1; Herring Gull, 1; Mourning Dove, 1; Burrowing Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 5; Black Phoebe, 1; Say's Phoebe, 1; Horned Lark, 1; Tree Swallow, 14; Am. Crow, 3; Long-billed Marsh Wren, 7; Water Pipit, 7; Loggerhead Shrike, 11; Audubon's Warbler, 2; House Sparrow, 150; Western Meadowlark, 105; Yellow-headed Blackbird, 2; Red-winged Blackbird, 162,000 (est.); Brown-headed Cowbird, 24; Am. Goldfinch, 3; Oregon Junco, 31; White-crowned Sparrow, 115; Song Sparrow, 1. **Total,** 64 species (2 additional subspecies); 878,621 individuals. (The totals for the waterfowl in general represent probably not more than one-third of all the waterfowl present on the refuge. This figure had been estimated by the Fish and Wildlife Service people to be closer to 2,500,000 birds on the shooting days and this probably represented more than 45% of all the waterfowl in that part of the Central Valley. The other Valley refuges would account for about 40% of the remaining birds. It was not possible to reach all parts of the refuge due to wet roads. Many times it was impossible to force all of the birds within an area to fly even though we often had more than 200,000 birds in the air at once. There would still be a large group resting on the water which we could not see for the cattails, but could hear and these of course went uncounted.)—W. Eckdall, Robert L. Pyle, Arnold Small (compiler), Millicent Small, Sandy Sprunt.

449. Salinas (Monterey Co.), Calif. (same area as 1945 and subsequent).—Dec. 21; 7:30 a.m. to 4:30 p.m. Clear; good visibility; temp. 34° to 62°; wind 10 m.p.h.; frost on ground until 8:30. Thirteen observers in 3 parties. Total party-hours, 77 (44 on foot, 33 by car); total party-miles, 85 (22 on foot, 63 by car). Common Loon, 6; Arctic Loon, 4; Red-throated Loon, 15; Red-necked Grebe, 1; Horned Grebe, 14; Eared Grebe, 2; Western Grebe, 117; Pied-billed Grebe, 26; Brown Pelican, 20; Double-crested Cormorant, 9; Brandt's Cormorant, 8; Pelagic Cormorant, 4; Great Blue Heron, 11; Am. Egret, 5; Snowy Egret, 4; Black-crowned Night Heron, 117; Whistling Swan, 7; Mallard, 4; Cinnamon Teal, 6; Shoveller, 1; Canvas-back, 2; Lesser Scaup, 3; White-winged Scoter, 14; Surf Scoter, 18; Ruddy Duck, 137; Turkey Vulture, 2; White-tailed Kite, 5; Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 4; Prairie Falcon, 1; Sparrow Hawk, 35; California Quail, 24; Clapper Rail, 3; Virginia Rail, 1; Sora, 2; Florida Gallinule, 4; Am. Coot, 804; Snowy Plover, 4; Killdeer, 206; Black-bellied Plover, 11; Wilson's Snipe, 2; Long-billed Curlew, 44; Hudsonian Curlew, 12; Willet, 120; Greater Yellow-legs, 2; Least Sandpiper, 266; Red-backed Sandpiper, 145; Dowitcher, 16; Western Sandpiper, 153; Marbled Godwit, 42; Sanderling, 250; Am. Avocet, 58; Red Phalarope, 5; Glaucous-winged Gull, 3; Western Gull, 25; Herring Gull, 23; California Gull, 21; Ring-billed Gull, 25; Short-billed Gull, 124; Bonaparte's Gull, 6; Heermann's Gull, 18; Forster's Tern, 6; Common Tern, 1; Roadrunner, 3; Burrowing Owl, 1; Anna's Hummingbird, 5; Belted Kingfisher, 2; Red-shafted Flicker, 6; Acorn Woodpecker, 1; Downy Woodpecker, 2; Black Phoebe, 10; Say's Phoebe, 5; Horned Lark, 37; Steller's Jay, 2; Scrub Jay, 22; Yellow-billed Magpie, 1; Am. Crow, 1; Chestnut-backed Chickadee, 25; Plain Titmouse, 1; Common Bushtit, 26; Brown Creeper, 4; Wren-tit, 5; Bewick's Wren, 2; Long-billed Marsh Wren, 10; California Thrasher, 5; Am. Robin, 86; Hermit Thrush, 6; Olive-backed Thrush (Russet-backed), 1 (C.H.B., W.W.) [no further details—Ed.]; Western Bluebird, 10; Blue-gray Gnactatcher, 1; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 6; Water Pipit, 15; Cedar Waxwing, 5; Loggerhead Shrike, 9; Hutton's Vireo, 3; Orange-crowned Warbler, 6; Myrtle Warbler, 4; Audubon's Warbler, 138; Common Yellowthroat, 1; House Sparrow, 225; Western Meadowlark, 205; Red-winged Blackbird, 73; Tricolored Blackbird, 3; Brewer's Blackbird, 137; House Finch, 648; Am. Goldfinch, 15; Lesser Goldfinch, 6; Spotted Towhee, 1; Brown Towhee, 27; Savannah Sparrow, 75; Lark Sparrow, 2; Oregon Junco, 22; White-crowned Sparrow, 532; Golden-crowned Sparrow, 98; Fox Sparrow, 3; Song Sparrow, 31. **Total,** 119 species; 5614 individuals.—Charles Anderson (compiler), Viola Anderson, Lt. C. H. Blair, Mr. Hanson, Edwin Hitchcock, Francis Johnson, W. J. Moffat, Mrs. W. H. MacMillan, Rose MacMillan, Margaret Stanton, John S. Stanton, S. S. Whitehead, Wallace Wood.

450. San Bernardino, Calif. (7½-mile radius centering at the Fifth Street Lake, and including the Warm Creek Wildlife Refuge, Reche Canyon, old Swing Ranch, outskirts of Loma Linda, foothills of Del Rosa and S. B.; pasture and streamside willows 10%, pond and cattail marshes 40%, deciduous woods 15%, chaparral 25%, town suburbs and roadsides 10%).—Dec. 23; 7:15 a.m. to 4:15 p.m. Clear with variable clouds; temp. 35° to 55°; wind N, 15-39 m.p.h.; fine weather except for the wind, hot in the sun, recent rains have made the hills green in color. Ten observers in 4 parties. Total party-hours, 56 (25 on foot, 31 by car); total party-miles, 105 (9 on foot, 96 by car). Pied-billed Grebe, 5; Snowy Egret, 1; Mallard, 11; Am. Widgeon, 24; Pintail, 3; Ring-necked Duck, 7; Canvas-back, 41; Ruddy Duck, 81; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 13; California Quail, 19; Am. Coot, 205; Killdeer, 49; Ring-billed Gull, 1; Mourning Dove, 128; Spotted Dove, 12; Anna's Hummingbird, 2; Red-shafted Flicker, 6; Nuttall's Woodpecker, 1; Western Kingbird, 2; Cassin's Kingbird, 3; Ash-throated Flycatcher, 1; Black Phoebe, 6; Say's Phoebe, 1; Scrub Jay, 3; Common Raven, 2; Am. Crow, 5; Plain Titmouse, 2; Wren-tit, 2; Bewick's Wren, 1; Long-billed Marsh Wren, 1; Mockingbird, 10; Am. Robin, 21; Hermit Thrush, 1; Western Bluebird,

11; Mountain Bluebird, 1; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 3; Water Pipit, 18; Cedar Waxwing, 78; Loggerhead Shrike, 1; Hutton's Vireo, 1; Yellow Warbler, 2; Audubon's Warbler, 127; Northern Water-thrush, 1 [no details—Ed.]; Common Yellowthroat, 1; House Sparrow, 10; Western Meadowlark, 108; Red-winged Blackbird, 8; Brewer's Blackbird, 589; House Finch, 116; Am. Goldfinch, 3; Lesser Goldfinch, 37; Lawrence's Goldfinch, 12; Spotted Towhee, 1; Brown Towhee, 13; Oregon Junco, 35; Chipping Sparrow, 101; White-crowned Sparrow, 8; Song Sparrow, 5. **Total,** 63 species; 1965 individuals.—Dr. and Mrs. John Hughes, Mildred Hamilton, Ethel West, Mildred Smith, Mary James, Ellen Kidd, Margaret Cushing, Ann Wissler, Josiphine Vaughn (San Bernardino Valley Audubon Society).

451. San Francisco, Calif. (Marina, Lincoln Park, Twin Peaks, Sutro Forest, Land's End, Golden Gate Park, Stern Grove, Treasure Island, Bayshore, Pacific Ocean Beach, Lake Merced, Presidio, San Francisco Bay; 35% park, 25% bay, 9% ocean, 6% fresh-water lakes, 4% open fields, 21% other).—Dec. 21; 7:20 a.m. to 4:40 p.m. Clear, sunny; temp. 45° to 55°; wind Southeast, 4.1 m.p.h. Fifty observers in 12 parties. Total party-hours, 87 (46 on foot, 41 by car); total party-miles, 98 (46 on foot, 52 by car). Arctic Loon, 1; Red-throated Loon, 35; Red-necked Grebe, 1; Horned Grebe, 14; Eared Grebe, 52; Western Grebe, 295; Pied-billed Grebe, 32; Brown Pelican, 23; Double-crested Cormorant, 225; Brandt's Cormorant, 31; Pelagic Cormorant, 2; Great Blue Heron, 5; Am. Egret, 11; Black-crowned Night Heron, 2; Canada Goose, 1; Mallard, 869; Am. Widgeon, 521; Pintail, 3; Shoveller, 18; Wood Duck, 4; Ring-necked Duck, 26; Canvas-back, 45; Lesser Scaup, 50; Am. Golden-eye, 2; White-winged Scoter, 14; Surf Scoter, 98; Ruddy Duck, 587; Red-breasted Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Sparrow Hawk, 34; California Quail, 276; Virginia Rail, 1; Florida Gallinule, 2; Am. Coot, 1692; Snowy Plover, 1; Killdeer, 135; Black-bellied Plover, 13; Surf-bird, 14; Ruddy Turnstone, 1; Black Turnstone, 40; Long-billed Curlew, 2; Spotted Sandpiper, 1; Wandering Tattler, 1; Willet, 81; Least Sandpiper, 8; Red-backed Sandpiper, 15; Western Sandpiper, 80; Sanderling, 409; Am. Avocet, 1; Glaucous-winged Gull, 291; Western Gull, 1009; Herring Gull, 57; California Gull, 1818; Ring-billed Gull, 247; Short-billed Gull, 988; Bonaparte's Gull, 16; Heermann's Gull, 10; Forster's Tern, 1; Common Murre, 8; Mourning Dove, 4; Anna's Hummingbird, 97; Belted Kingfisher, 2; Red-shafted Flicker, 93; Acorn Woodpecker, 1; Downy Woodpecker, 10; Black Phoebe, 34; Horned Lark, 37; Scrub Jay, 11; Common Raven, 2; Northwestern Crow, 12; Chestnut-backed Chickadee, 62; Plain Titmouse, 2; Common Bushtit, 52; Red-breasted Nuthatch, 21; Brown Creeper, 5; Wren-tit, 2; Winter Wren, 3; Bewick's Wren, 8; Mockingbird, 1; Am. Robin, 311; Varied Thrush, 41; Hermit Thrush, 62; Western Bluebird, 20; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 50; Water Pipit, 58; Loggerhead Shrike, 17; Hutton's Vireo, 5; Audubon's Warbler, 150; Townsend's Warbler, 4; Common Yellowthroat, 17; House Sparrow, 382; Western Meadowlark, 226; Brewer's Blackbird, 269; Purple Finch, 7; House Finch, 363; Pine Siskin, 19; Lesser Goldfinch, 23; Spotted Towhee, 19; Savannah Sparrow, 7; Oregon Junco, 409; White-crowned Sparrow, 1067; Golden-crowned Sparrow, 75; Fox Sparrow, 96; Song Sparrow, 135. **Total,** 107 species; 14,557 individuals.—P. Aljian, A. Boles, S. Bozant, M. Browne, C. L. Carson, J. Clay, A. L. Curl, E. Davey, J. Denham, C. H. Fox, M. Graves, J. Guggolz, C. A. Harwell, J. T. Hedgpeth, R. Higgins, L. Henningsen, J. Johnson, W. Johnson, J. W. Kelly, G. T. Kilham, E. Kilham, R. Kurtz, L. R. Leinbach, M. Leinbach, V. R. Lewis, R. Long, V. MacCaughey, O. J. Millard, A. H. Myer (compiler), H. G. Peterson, A. Pierson, W. Pope, R. H. Pray, J. Reilly, W. Reilly, T. E. Reynolds, A. Rinehart, C. Sather, F. A. Scott, L. P. Smith, L. P. Smith II, L. Spencer, D. Twigg, P. R. von Hafften, M. Van Scyoc, E. Van Scyoc, P. A. Veitch, B. Wallace, H. Walsh, R. Conte (Golden Gate Audubon Society).

452. San Jose, Calif. (7½-mile radius centering on Capitol Ave. and Maybury Rd., N.E. of city, including same area and habitats as 1951 count).—Dec. 28; 8 a.m. to 4 p.m. Clear; temp. 50° to 56°; wind NW, 5-10 m.p.h.; ground wet from rain the day before; 6.2 ft. high tide, 10:36 a.m. Alviso. Twenty-one observers in 4 parties. Total party-hours, 32 (20 on foot, 12 by car); total party-miles, 184 (16 on foot, 168 by car). Horned Grebe, 2; Eared Grebe, 4; Pied-billed Grebe, 3; White Pelican, 240; Double-crested Cormorant, 3; Great Blue Heron, 5; Am. Egret, 3; Black-crowned Night Heron, 4; Canada Goose, 625; Mallard, 36; Pintail, 1; Green-winged Teal, 225; Shoveller, 31; Wood Duck, 10; Canvas-back, 8; Lesser Scaup, 1; Buffle-head, 1; Ruddy Duck, 27; Am. Merganser, 10; Turkey Vulture, 2; White-tailed Kite, 3; Red-tailed Hawk, 23; Golden Eagle, 1; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 35; California Quail, 164; Ring-necked Pheasant, 3; Clapper Rail, 5; Virginia Rail, 4; Am. Coot, 1125; Killdeer, 45; Black-bellied Plover, 360; Wilson's Snipe, 3; Spotted Sandpiper, 2; Willet, 128; Greater Yellow-legs, 2; Red Knot, 7; Least Sandpiper, 75; Red-backed Sandpiper, 125; Dowitcher, 49; Western Sandpiper, 52; Marbled Godwit, 28; Am. Avocet, 336; unidentified sandpipers, 2000 (est.); Western Gull, 52; Herring Gull, 400 (±50); California Gull, 23; Ring-billed Gull, 539; Short-billed Gull, 51; Bonaparte's Gull, 23; unidentified gulls (probably Ring-billed, Herring, Calif.), 3000 (est.); Band-tailed Pigeon, 68; Mourning Dove, 37; Screech Owl, 1; Burrowing Owl, 1; White-throated Swift, 6; Anna's Hummingbird, 8; Belted Kingfisher, 2; Red-shafted Flicker, 45; Acorn Woodpecker, 13; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Nuttall's Woodpecker, 2; Black Phoebe, 13; Say's Phoebe, 6; Steller's Jay, 23; Scrub Jay,

49; Yellow-billed Magpie, 13; Am. Crow, 17; Chestnut-backed Chickadee, 12; Plain Titmouse, 23; Common Bushtit, 210; White-breasted Nuthatch, 6; Brown Creeper, 3; Wren-tit, 12; Bewick's Wren, 6; Long-billed Marsh Wren, 2; Mockingbird, 23; California Thrasher, 2; Am. Robin, 337; Varied Thrush, 6; Hermit Thrush, 17; Western Bluebird, 24; Ruby-crowned Kinglet, 26; Water Pipit, 145; Cedar Waxwing, 35; Loggerhead Shrike, 28; Audubon's Warbler, 113; Common Yellowthroat, 1; House Sparrow, 111; Western Meadowlark, 789; Red-winged Blackbird, 19; Tricolored Blackbird, 1; Brewer's Blackbird, 1083; Purple Finch, 3; House Finch, 951; Pine Siskin, 49; Am. Goldfinch, 4; Lesser Goldfinch, 736; Spotted Towhee, 16; Brown Towhee, 86; Savannah Sparrow, 31; Lark Sparrow, 22; Rufous-crowned Sparrow, 6; Oregon Junco, 90; White-crowned Sparrow, 334; Golden-crowned Sparrow, 220; Fox Sparrow, 3; Lincoln's Sparrow, 1; Song Sparrow, 46. **Total,** 110 species; about 15,848 individuals.—Peter Bostford, Frank Cantu, Kurt Dietz, Helen Donaghey, Patrick Donaghey, Florence Durfee, Alberta Edell, Esther Ollis, J. G. Peterson, Agnes Prusman, Clyde Prusman, Howard Sleeper, Lester Sleeper, Martha Sleeper, Nel Sleeper, Emily Smith, Mrs. I. W. Snow, A. J. Wool (compiler), A. M. Wittgenstein, Dr. H. C. Wittgenstein, Mrs. C. J. Zwaal.

453. Stockton, Calif. (7½-mile radius centering north of Stockton at the junction of Woodbridge Road and Thornton Road; open fields 38%, riparian growth 17%, gun club ponds & tule marshes 29%, valley oak woodland 9%, town suburbs and roadsides 7%).—Dec. 24; 7:30 a.m. to 4:15 p.m. Intermittent rain and overcast; temp. 38° to 56°; wind NW, 10-20 m.p.h. Two observers in 1 party. Total party-hours, 8¾; total party-miles, 63 (3½ on foot, 59½ by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Am. Egret, 21; Whistling Swan, 7; Canada Goose, 162 (including 37 Cackling); White-fronted Goose, 10; Mallard, 34; Pintail, 24; Green-winged Teal, 1; Shoveller, 18; Ruddy Duck, 8; White-tailed Kite, 13; Cooper's Hawk, 1; Red-tailed Hawk, 14; Marsh Hawk, 28; Sparrow Hawk, 42; California Quail, 15; Ring-necked Pheasant, 7; Sandhill Crane, 500 (est.); Virginia Rail, 1; Sora, 3; Am. Coot, 650; Killdeer, 27; Black-bellied Plover, 7; Dowitcher, 45; Herring Gull, 3; California Gull, 42; Ring-billed Gull, 29; Belted Kingfisher, 1; Red-shafted Flicker, 68; Acorn Woodpecker, 49; Downy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 1; Scrub Jay, 22; Am. Crow, 7; Common Bushtit, 42; Wren-tit, 1; Long-billed Marsh Wren, 2; Mockingbird, 10; Am. Robin, 27; Hermit Thrush, 1; Ruby-crowned Kinglet, 4; Cedar Waxwing, 55; Loggerhead Shrike, 16; Hutton's Vireo, 1; Audubon's Warbler, 13; House Sparrow, 38; Western Meadowlark, 30; Red-winged Blackbird, 260; Brewer's Blackbird, 1300 (est.); House Finch, 45; Am. Goldfinch, 1; Spotted Towhee, 9; Brown Towhee, 1; Savannah Sparrow, 8; Vesper Sparrow, 5; Slate-colored Junco, 1; Oregon Junco, 27; White-crowned Sparrow, 46; Golden-crowned Sparrow, 3; Fox Sparrow, 2; Song Sparrow, 2. **Total,** 64 species (1 additional subspecies); 3814 individuals.—Herbert Wong, Elwood Wong.

454. Suisun Waterfowl Refuge, Suisun, Calif. (area about headquarters buildings, then by levee road through refuge to hard-surface road to Suisun, west 4 miles then south 1 mile and back; tule and cattail marsh 20%, pastureland 44%, cultivated fields 13%, oak woodland 9%, cultivated woodland 7%, woody creek 7%; all within 15-mile diameter with refuge headquarters as center).—Dec. 25; 7:30 a.m. to 4:30 p.m. Partly clear in morning, intermittent rain beginning at noon and continuing thru day; temp. 40° at start, 50° at finish; wind E, 5 m.p.h. One observer. Total hours, 7½ (6½ on foot, 1 by car); total miles, 20 (1½ on foot, 18½ by car). Pied-billed Grebe, 7; Double-crested Cormorant, 5; Great Blue Heron, 4; Am. Egret, 4; Snowy Egret, 1; Black-crowned Night Heron, 6; Am. Bittern, 6; Whistling Swan, 22; Canada Goose, 15; White-fronted Goose, 39; Snow Goose, 275; Mallard, 275; Gadwall, 16; Am. Widgeon, 37; Pintail, 360; Green-winged Teal, 12; Cinnamon Teal, 5; Shoveller, 5; Ring-necked Duck, 275 (±25); Canvasback, 2; Lesser Scaup, 1; Am. Golden-eye, 1; Buffle-head, 2; Ruddy Duck, 140; Hooded Merganser, 1; White-tailed Kite, 2; Red-tailed Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 8; California Quail, 12; Ring-necked Pheasant, 7; Florida Gallinule, 13; Am. Coot, 250; Killdeer, 51; Wilson's Snipe, 1; Long-billed Curlew, 75 (±25); Greater Yellow-legs, 1 (call only); California Gull, 4; Bonaparte's Gull, 1; Barn Owl, 2; Short-eared Owl, 3; Anna's Hummingbird, 5; Red-shafted Flicker, 16; California Woodpecker, 2; Downy Woodpecker, 2; Black Phoebe, 5; Say's Phoebe, 1; Tree Swallow, 14; California Jay, 8; Plain Titmouse, 1; Bush-tit, 30; Brown Creeper, 1; Bewick's Wren, 4; Long-billed Marsh Wren, 13; Rock Wren, 1; Mockingbird, 1; Am. Robin, 150; Varied Thrush, 2; Hermit Thrush, 4; Western Bluebird, 10; Ruby-crowned Kinglet, 17; Water Pipit, 10; Cedar Waxwing, 17; Loggerhead Shrike, 11; Audubon's Warbler, 20; House Sparrow, 15; Western Meadowlark, 55; Red-winged Blackbird, 156; Brewer's Blackbird, 5300 (est.); Purple Finch, 2; House Finch, 180 (est.); Pine Siskin, 75 (est.); Am. Goldfinch, 19; Lesser Goldfinch, 25; Spotted Towhee, 3; Brown Towhee, 10; Savannah Sparrow, 50; Oregon Junco, 60 (est.); White-crowned Sparrow, 120; Golden-crowned Sparrow, 15; Fox Sparrow, 4; Song Sparrow, 15. **Total,** 82 species; 8402 individuals. (Seen in the area on the 24th; Ring-billed Gull, Glaucous-winged Gull, Horned Grebe, Eared Grebe, and Dowitcher. Also a Mourning Dove on the 26th, and on the 28th a White Pelican and Common Yellowthroat.)—Bruce K. Harris.

455. Yosemite National Park, Calif. (same as last year; elevation 2000 ft. at El Portel, to 4000 ft. at Mirror Lake).—Dec. 27; 7 a.m. to 5 p.m. Snow and rain in morning, clearing in afternoon;

temp. 36° to 48°; wind calm to gusty, 20 m.p.h.; storm in morning handicapped birding, but good conditions prevailed in p.m.; area open save for snow and ice above 3500 ft. Eleven observers in 5 parties. Total party-hours, 36 (32 on foot, 4 by car); total party-miles, 52 (28 on foot, 24 by car). Pied-billed Grebe, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Golden Eagle, 5; Sparrow Hawk, 3; California Quail, 8; Mountain Quail, 4; Horned Owl, 1; Pygmy Owl, 2; Belted Kingfisher, 4; Red-shafted Flicker, 19; Pileated Woodpecker, 5; Acorn Woodpecker, 13; Williamson's Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 7; Steller's Jay, 61; Scrub Jay, 30; Mountain Chickadee, 57; Plain Titmouse, 12; Common Bushtit, 40; Red-breasted Nuthatch, 4; Brown Creeper, 31; Wren-tit, 3; Am. Dipper, 13; Winter Wren, 1; Bewick's Wren, 1; Cañon Wren, 8; Am. Robin, 34; Varied Thrush, 3; Hermit Thrush, 7; Western Bluebird, 32; Mountain Bluebird, 1; Golden-crowned Kinglet, 221; Ruby-crowned Kinglet, 25; Hutton's Vireo, 1; Audubon's Warbler, 3; Townsend's Warbler, 1 (closely seen at 3900 ft.—W.J.F., G.R.M.); House Sparrow, 24; Red-winged Blackbird, 1 (daily at feeding station); Brewer's Blackbird, 5 (daily at feeding station); Purple Finch, 100+ (est.); House Finch, 100+; Pine Siskin, 20; Lesser Goldfinch, 2; Spotted Towhee, 78; Brown Towhee, 178; Lark Sparrow, 50+ (est.); Slate-colored Junco, 1; Oregon Junco, 265; Golden-crowned Sparrow, 62; Fox Sparrow, 2; Song Sparrow, 2. **Total,** 56 species; approximately 1570 individuals.—Amy B. Alexander, Erma Fitzpatrick, W. J. Fitzpatrick (compiler), Douglas Hubbard, N. B. Herkenham, Bona May McHenry, L. D. Moore, Geo. R. Murphy, Marguerite Radigan, Mary Lou Sturm, Virginia Ann Sturm.

456. Lincoln, Nebr. (rural) (same as in previous years).—Dec. 21; 8 a.m. to 5:40 p.m. Foggy overcast all day; temp. 23° to 27°; wind N to E, 3-7 m.p.h. Steven's Creek open in many places. About one inch of snow on open fields; drifts in fence rows, ditches and leeward side of wooded and brushy areas. Five observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 18 (6 on foot, 12 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 1 (male); Sparrow Hawk, 1; Horned Owl, 2; Yellow-shafted Flicker, 7; Red-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 19; Blue Jay, 4; Am. Crow, 20; Black-capped Chickadee, 23; Tufted Titmouse, 3; White-breasted Nuthatch, 15; Brown Creeper, 2; Winter Wren, 1; Am. Robin, 5; Golden-crowned Kinglet, 20; Common Starling, 15; House Sparrow, 150; meadowlark (sp.), 2; Red-winged Blackbird, 1 (female); Cardinal, 20 females, 27 males; Pine Siskin, 2; Am. Goldfinch, 51; Eastern Towhee, 3; Slate-colored Junco, 60; Am. Tree Sparrow, 39; Harris's Sparrow, 8; Song Sparrow, 17. **Total,** 31 species; 524 individuals. (1 Short-eared Owl was seen by Louis M. Moos, Dec. 20.)—Adrian C. Fox (compiler), Mary Louise Hanson, George A. Spidel, Grace Spidel, Don Williams.

Summary of Highest Counts of Individuals

by Chandler S. Robbins

The number of species reported on the 1952 Christmas Count was 449, one short of the record set two years ago. As usual, a few rare species had to be omitted from the total due to failure of the observer or compiler to supply substantiating details.

The following five species are apparently new additions to the fifty-three year total: Fulvous Tree-duck, White-tailed Ptarmigan, Red-eyed Vireo, Blue-winged Warbler, and Canada Warbler.

In 1950 Texas had the most entries in the list of high counts; last year California was ahead; and this year Florida leads with a total of 94. California is a close second this year with 87, and Texas is third with 56. These three states far surpass all others. Arizona has fourth place again with 21, followed closely by Oregon with 20.

For the second consecutive year Coot Bay, Fla., reported more highest counts (or ties) than any other area, with 32 species in top place. Los Angeles was second with 27, and Laguna Atascosa Refuge in Texas was third with 23. Santa Ana Refuge, a new Christmas Count area on the lower Rio Grande in Texas, claims fourth place this year with maximum counts on 15 species.

Although only the southern areas can hope to obtain high counts on many different species in a single year, nearly every state and province is mentioned at least one or two times in the following list. Only two states, Idaho and Michigan, have failed to reach first place on any species during the past three years.

Common Loon, 200 (*Fla.*, Panacea); Arctic Loon, 22 (*Wash.*, Orcas Island); Red-throated Loon, 43 (*R. I.*, Newport); Red-necked Grebe, 50 (*Me.*, York); Horned Grebe, 396 (*Va.*, Yorkton); Eared Grebe, 164 (*Calif.*, Oakland); Least Grebe, 9 (*Tex.*, Santa Ana); Western Grebe, 1200 (*Wash.*, Bellingham); Pied-billed Grebe, 300 (*Fla.*, Tallahassee); White Pelican, 2115 (*Fla.*, Coot Bay); Brown Pelican, 400 (*Fla.*, Cocoa); Gannet, 36 (*Fla.*, Daytona Beach); European Cormorant, 381 (*R. I.*, Newport); Double-crested Cormorant, 4500 (*Tenn.*, Reelfoot);

Olivaceus Cormorant, 103 (*Tex.*, Laguna Atascosa); Brandt's Cormorant, 570 (*Calif.*, Monterey); Pelagic Cormorant, 324 (*Calif.*, Monterey); Water-turkey, 51 (*Fla.*, St. Marks); Man-o'-war-bird, 5 (*Fla.*, Lower Florida Keys).

Great White Heron, 94 (*Fla.*, Coot Bay); Great Blue Heron, 166 (*Fla.*, Coot Bay); Am. Egret, 3529 (*Fla.*, Monroe); Snowy Egret, 623 (*Fla.*, Daytona Beach); Reddish Egret, 27 (*Tex.*, Laguna Atascosa); Louisiana Heron, 1169 (*Fla.*, Monroe); Little Blue Heron, 5727 (*Fla.*, Monroe); Green Heron, 51 (*Fla.*, Coot Bay); Black-crowned Night Heron, 122 (*Fla.*, Monroe); Yellow-crowned Night Heron, 9 (*Fla.*, Coot Bay); Am. Bittern, 4 (*R. I.*, Newport; *Fla.*, Cocoa; *La.*, Sabine); Least Bittern, 2 (*Fla.*, Cocoa); Wood Ibis, 303 (*Fla.*, Coot Bay); Glossy Ibis, 18 (*Fla.*, Okeechobee); White-faced Ibis, 163 (*Tex.*, Galveston); White Ibis, 23,437 (*Fla.*, Monroe); Roseate Spoonbill, 216 (*Fla.*, Coot Bay).

Mute Swan, 92 (*L. I.*, Quogue); Whistling Swan, 2740 (*Oreg.*, Klamath Falls); Canada Goose, 32,308 (*Ill.*, Crab Orchard); Am. Brant, 11,800 (*N. J.*, Cape May); Black Brant, 473 (*Calif.*, Morro Bay); White-fronted Goose, 13,280 (*Calif.*, Sacramento Refuge); Snow Goose, 70,380 (*Calif.*, Sacramento Refuge); Blue Goose, 24,000 (*La.*, Sabine); Ross's Goose, 6 (*Calif.*, Los Banos); Fulvous Tree-duck, 7 (*Tex.*, Laguna Atascosa); Mallard, 250,000 (*Ind.*, Hovey Lake); Mexican Duck, 3 (*N. Mex.*, Coronado); Black Duck, 10,000 (*Ill.*, Springfield); Mottled Duck, 155 (*Tex.*, Houston); Gadwall, 11,467 (*Tenn.*, Reelfoot Lake); European Widgeon, 2 (*N. J.*, Long Branch); Am. Widgeon, 41,000 (*Calif.*, Sacramento Refuge); Pintail, 493,000 (*Calif.*, Sacramento Refuge); Green-winged Teal, 12,000 (*Calif.*, Sacramento Refuge); Blue-winged Teal, 203 (*Fla.*, Coot Bay); Cinnamon Teal, 13 (*Calif.*, Sacramento Refuge); Shoveller, 15,000 (*Calif.*, Gray Lodge); Wood Duck, 228 (*Ga.*, Sherwood); Redhead, 61,576 (*Tex.*, Laguna Atascosa); Ring-necked Duck, 14,584 (*Tenn.*, Reelfoot); Canvas-back, 91,000 (*Md.*, Susquehanna); Greater Scaup, 40,000 (*L. I.*, Western Long Island); Lesser Scaup, 45,683 (*Fla.*, Coot Bay); Am. Golden-eye, 6466 (*Wis.*, Milwaukee); Barrow's Golden-eye, 4 (*Wash.*, Orcas Island); Bufflehead, 649 (*Mass.*, Lynn); Old-squaw, 478 (*Mass.*, Newburyport); Harlequin Duck, 16 (*Wash.*, Bellingham); Common Eider, 150,000 (*Mass.*, Monomoy); King Eider, 2 (*Md.*, Ocean City); White-winged Scoter, 26,000 (*Mass.*, Monomoy); Surf Scoter, 649 (*Calif.*, Morro Bay); Am. Scoter, 5000 (*Mass.*, Monomoy); Ruddy Duck, 6876 (*Miss.*, Moon Lake); Hooded Merganser, 203 (*Miss.*, Moon Lake); Am. Merganser, 10,000 (*Okla.*, Salt Plains); Red-breasted Merganser, 1134 (*L. I.*, So. Nassau).

Turkey Vulture, 596 (*Md.*, Denton); Black Vulture, 529 (*Tex.*, Laguna Atascosa); White-tailed Kite, 13 (*Calif.*, Stockton); Goshawk, 2 (*Colo.*, Denver; *Utah*, Salt Lake City); Sharp-shinned Hawk, 7 (*N. J.*, Cape May); Cooper's Hawk, 13 (*Calif.*, Los Angeles); Red-tailed Hawk, 83 (*Pa.*, Glen Olden); Harlan's Hawk, 5 (*Kans.*, Baldwin); Red-shouldered Hawk, 63 (*Fla.*, Monroe); Broad-winged Hawk, 24 (*Fla.*, Rock Harbor); Swainson's Hawk, 3 (*Tex.*, Houston); White-tailed Hawk, 15 (*Tex.*, Laguna Atascosa); Short-tailed Hawk, 4 (*Fla.*, Coot Bay); Rough-legged Hawk, 44 (*Oreg.*, Klamath Falls); Ferruginous Hawk, 4 (*Okla.*, Norman); Harris's Hawk, 30 (*Tex.*, Laguna Atascosa); Golden Eagle, 25 (*Okla.*, Salt Plains); Bald Eagle, 64 (*Oreg.*, Klamath Falls); Marsh Hawk, 182 (*Tex.*, Laguna Atascosa); Osprey, 38 (*Fla.*, Coot Bay); Audubon's Caracara, 20 (*Tex.*, Laguna Atascosa); Prairie Falcon, 3 (*Colo.*, Denver); Peregrine Falcon, 6 (*Fla.*, Coot Bay); Pigeon Hawk, 4 (*Fla.*, St. Petersburg); Sparrow Hawk, 177 (*Calif.*, Sacramento).

Chachalaca, 2 (*Tex.*, Santa Ana); Blue Grouse 1 (*Utah*, Salt Lake City); Ruffed Grouse, 18 (*Va.*, Mt. Rogers); White-tailed Ptarmigan, 5 (*Colo.*, Idaho Springs); Greater Prairie Chicken, 65 (*Ill.*, Bird Haven); Sharp-tailed Grouse, 395 (*Nebr.*, Valentine); Sage Hen, 62 (*Wyo.*, Casper); European Partridge, 18 (*Sask.*, Yorkton; *Me.*, Lewiston); Rock Partridge, 19 (*Oreg.*, Klamath Falls); Bob-white, 124 (*Ohio*, Buckeye); Scaled Quail, 61 (*Tex.*, Midland); California Quail, 1009 (*Utah*, Salt Lake City); Gambel's Quail, 325 (*N. Mex.*, Virden); Mountain Quail, 15 (*Oreg.*, Klamath Falls); Ring-necked Pheasant, 1176 (*Oreg.*, Klamath Falls); Turkey, 25 (*Ga.*, Sherwood); Whooping Crane, 2 (*Tex.*, Aransas); Sandhill Crane, 13,477 (*N. Mex.*, Bitter Lake); Limpkin, 11 (*Fla.*, St. Marks); King Rail, 20 (*Fla.*, Monroe); Clapper Rail, 34 (*Fla.*, Jacksonville); Virginia Rail, 10 (*Fla.*, Cocoa); Sora, 15 (*Fla.*, Cocoa); Florida Gallinule, 29 (*Fla.*, Okeechobee); Am. Coot, 40,000 (*Va.*, Back Bay).

Am. Oyster-catcher, 155 (*S. C.*, Charleston); Black Oyster-catcher, 15 (*Calif.*, Monterey); Piping Plover, 44 (*Fla.*, St. Petersburg); Snowy Plover, 64 (*Calif.*, Orange Co., central); Ringed Plover, 392 (*Fla.*, St. Petersburg); Wilson's Plover, 55 (*Fla.*, St. Petersburg); Mountain Plover, 20 (*Calif.*, Sacramento); Killdeer, 634 (*Oreg.*, Eugene); Black-bellied Plover, 360 (*Calif.*, San Jose); Surf-bird, 34 (*Calif.*, Los Angeles); Ruddy Turnstone, 158 (*Fla.*, St. Petersburg); Black Turnstone, 73 (*Calif.*, Monterey); Am. Woodcock, 12 (*N. J.*, Cape May); Wilson's Snipe, 188 (*Ark.*, Lonoke); Long-billed Curlew, 3100 (*Calif.*, Sacramento Refuge); Hudsonian Curlew, 17 (*Calif.*, Los Angeles); Spotted Sandpiper, 38 (*Fla.*, St. Petersburg); Solitary Sandpiper, 1 (*Tex.*, Laguna Atascosa); Wandering Tattler, 1 (*Calif.*, San Francisco and Orange Co., central); Willet, 2231 (*Calif.*, Oakland); Greater Yellow-legs, 101 (*Fla.*, Coot Bay); Lesser Yellow-legs, 196 (*Fla.*, Coot Bay); Red Knot, 120 (*Fla.*, Daytona Beach); Purple Sandpiper, 250 (*Mass.*, Quincy); Baird's Sandpiper, 5 (*Tex.*, Santa Ana); Least Sandpiper, 1440 (*Calif.*, Orange Co., central); Red-backed Sandpiper, 3228 (*N. J.*, Cape May); Dowitcher, 1130 (*Fla.*, Coot Bay); Semipalmated Sandpiper, 2611 (*Fla.*, Coot Bay); Western Sandpiper, 5960 (*Calif.*, Oakland); Marbled Godwit, 1033 (*Calif.*, Morro Bay); Sanderling, 409 (*Calif.*, San Francisco); Am. Avocet, 926 (*Calif.*, Oakland); Red Phalarope, 379 (*Calif.*, Monterey); Wilson's Phalarope, 1 (*Tex.*, Aransas).

Glaucous Gull, 4 (*N. Y.*, Rochester); Iceland Gull, 10 (*Que.*, Quebec); Glaucous-winged Gull,

7570 (*Wash.*, Seattle); Great Black-backed Gull, 1342 (*L. I.*, Brooklyn); Western Gull, 1009 (*Calif.*, San Francisco); Herring Gull, 15,350 (*N. Y.*, Brooklyn); California Gull, 1820 (*Calif.*, Los Angeles); Ring-billed Gull, 3134 (*Fla.*, St. Petersburg); Short-billed Gull, 3565 (*Wash.*, Seattle); Black-headed Gull, 1 (*L. I.*, Brooklyn); Laughing Gull, 650 (*Fla.*, Coot Bay); Franklin's Gull, 7 (*Tex.*, Fort Worth); Bonaparte's Gull, 2500 (*Ont.*, Blenheim); Heermann's Gull, 273 (*Calif.*, Los Angeles); Black-legged Kittiwake, 172 (*Mass.*, Cape Ann); Gull-billed Tern, 32 (*La.*, Sabine); Forster's Tern, 432 (*Fla.*, Jacksonville); Common Tern, 19 (*Tex.*, Laguna Atascosa); Least Tern, 7 (*Fla.*, Sarasota); Royal Tern, 664 (*Fla.*, Daytona Beach); Cabot's Tern, 2 (*Fla.*, Cocoa); Caspian Tern, 62 (*Tex.*, Galveston); Black Skimmer, 2712 (*Fla.*, Daytona Beach); Razor-billed Auk, 19 (*Me.*, Bristol); Common Murre, 110 (*Wash.*, Bellingham); Brünnich's Murre, 2 (*Ont.*, Hamilton; *Vt.*, Burlington); Dovekie, 1 (*Mass.*, Monomoy; *L. I.*, So. Nassau); Black Guillemot, 7 (*Me.*, Bristol); Pigeon Guillemot, 156 (*Wash.*, Orcas Island); Marbled Murrelet, 20 (*Wash.*, Orcas Island); Ancient Murrelet, 9 (*Wash.*, Orcas Island); Cassin's Auklet, 2 (*Wash.*, Seattle); Rhinoceros Auklet, 4 (*Calif.*, Monterey).

Band-tailed Pigeon, 141 (*Calif.*, Pasadena); Mourning Dove, 1127 (*Calif.*, Los Angles); Spotted Dove, 376 (*Calif.*, Pasadena); Ringed Turtle Dove, 214 (*Calif.*, Los Angeles); White-winged Dove, 1 (*Fla.*, Rock Harbor); Ground Dove, 106 (*Fla.*, St. Petersburg); Inca Dove, 60 (*Ariz.*, Tucson); White-fronted Dove, 26 (*Tex.*, Santa Ana); Road-runner, 16 (*Ariz.*, Parker); Barn Owl, 9 (*Del.*, Bombay Hook); Screech Owl, 13 (*Ohio*, Toledo); Horned Owl, 11 (*Md.*, Southern Dorchester); Snowy Owl, 2 (*Mass.*, Newburyport); Mountain Owl, 1 (*Calif.*, Paso Robles); Pygmy Owl, 2 (*Calif.*, Yosemite); Burrowing Owl, 36 (*Fla.*, Miami); Barred Owl, 16 (*Fla.*, Monroe); Great Gray Owl, 2 (*Oreg.*, Klamath Falls); Long-eared Owl, 15 (*Wis.*, Milwaukee); Short-eared Owl, 103 (*Oreg.*, Klamath Falls); Saw-whet Owl, 3 (*N. Y.*, Port Chester).

Chuck-will's-widow, 2 (*Fla.*, Rock Harbor); Whip-poor-will, 3 (*Fla.*, Rock Harbor); Pauraque, 3 (*Tex.*, Laguna Atascosa and Santa Ana); nighthawk (sp.), 5 (*Calif.*, Los Angeles); White-throated Swift, 179 (*Calif.*, Los Angeles); Ruby-throated Hummingbird, 19 (*Fla.*, Miami); Black-chinned Hummingbird, 1 (*Calif.*, Los Angeles); Anna's Hummingbird, 308 (*Calif.*, Los Angeles); Belted Kingfisher, 143 (*Fla.*, Monroe); Green Kingfisher, 2 (*Tex.*, Del Rio).

Yellow-shafted Flicker, 172 (*Ohio*, Cincinnati); Red-shafted Flicker, 174 (*Oreg.*, Portland); Gilded Flicker, 17 (*Ariz.*, Tucson); Pileated Woodpecker, 29 (*Fla.*, St. Marks); Red-bellied Woodpecker, 106 (*Fla.*, St. Petersburg); Golden-fronted Woodpecker, 38 (*Tex.*, Santa Ana); Gila Woodpecker, 58 (*Ariz.*, Tucson); Red-headed Woodpecker, 282 (*Ill.*, Murphysboro); Acorn Woodpecker, 63 (*Calif.*, Red Bluff); Lewis's Woodpecker, 80 (*Calif.*, Red Bluff); Yellow-bellied Sapsucker, 26 (*N. C.*, Greensboro; *Tenn.*, Memphis); Williamson's Sapsucker, 1 (*Calif.*, Yosemite); Hairy Woodpecker, 85 (*Conn.*, Westport); Downy Woodpecker, 223 (*Ohio*, Buckeye Lake); Ladder-backed Woodpecker, 27 (*Tex.*, Santa Ana); Nuttall's Woodpecker, 20 (*Calif.*, Sacramento); Arizona Woodpecker, 2 (*N. Mex.*, Coronado); Red-cockaded Woodpecker, 7 (*S. C.*, Aiken); White-headed Woodpecker, 4 (*Calif.*, Redlands); Three-toed Woodpecker, 1 (*Colo.*, Idaho Springs).

Tropical Kingbird, 1 (*Tex.*, Santa Ana); Western Kingbird, 1 (*L. I.*, Brooklyn); Cassin's Kingbird, 12 (*Calif.*, Oceanside); Derby Flycatcher, 33 (*Tex.*, Santa Ana); Crested Flycatcher, 37 (*Fla.*, Coot Bay); Ash-throated Flycatcher, 2 (*Ariz.*, Tucson; *Calif.*, Los Angeles); Eastern Phoebe, 100 (*Fla.*, Miami); Black Phoebe, 247 (*Calif.*, Los Angeles); Say's Phoebe, 25 (*Ariz.*, Tucson and Parker); wood pewee (sp.), 1 (*Tex.*, Laguna Atascosa); Vermilion Flycatcher, 13 (*Tex.*, Laguna Atascosa); Beardless Flycatcher, 1 (*Ariz.*, Tucson); Horned Lark, 715 (*Conn.*, Hartford); Violet-green Swallow, 1500 (*Calif.*, Escondido); Tree Swallow, 5320 (*Fla.*, Sarasota); Rough-winged Swallow, 17 (*Tex.*, Eagle Pass).

Gray Jay, 14 (*Oreg.*, Klamath Falls); Blue Jay, 415 (*Conn.*, Westport); Steller's Jay, 105 (*Colo.*, Colorado Springs); Scrub Jay, 686 (*Calif.*, Los Angeles); Arizona Jay, 148 (*N. Mex.*, Coronado); Green Jay, 53 (*Tex.*, Santa Ana); Am. Magpie, 443 (*Colo.*, Denver); Yellow-billed Magpie, 250 (*Calif.*, Red Bluff); Common Raven, 24 (*Ont.*, Port Arthur); White-necked Raven, 235 (*Tex.*, Big Springs); Am. Crow, 10,000 (*Ky.*, Henderson); Northwestern Crow, 1588 (*Oreg.*, Portland); Fish Crow, 1062 (*N. J.*, Northwestern Gloucester); Piñon Jay, 90 (*Ariz.*, Prescott); Clark's Nutcracker, 31 (*Colo.*, Idaho Springs).

Black-capped Chickadee, 886 (*Conn.*, Westport); Carolina Chickadee, 656 (*Ohio*, Cincinnati); Mountain Chickadee, 156 (*Colo.*, Idaho Springs); Brown-capped Chickadee, 5 (*Ont.*, Port Arthur); Chestnut-backed Chickadee, 101 (*Wash.*, Seattle); Tufted Titmouse, 328 (*D. C.*, Washington); Black-crested Titmouse, 18 (*Tex.*, Sabinal); Plain Titmouse, 93 (*Calif.*, Los Angeles); Bridled Titmouse, 7 (*N. Mex.*, Coronado); Verdin, 28 (*Ariz.*, Tucson); Common Bushtit, 1125 (*Calif.*, Los Angeles); White-breasted Nuthatch, 214 (*Conn.*, Westport); Red-breasted Nuthatch, 51 (*Me.*, Webster Corner); Brown-headed Nuthatch, 96 (*N. C.*, Wilmington); Pygmy Nuthatch, 384 (*Wash.*, Spokane); Brown Creeper, 71 (*Ohio*, Buckeye Lake).

Wren-tit, 424 (*Calif.*, Los Angeles); Am. Dipper, 13 (*Calif.*, Yosemite); House Wren, 84 (*Fla.*, Tallahassee); Winter Wren, 56 (*D. C.*, Washington); Bewick's Wren, 36 (*Calif.*, Los Angeles); Carolina Wren, 172 (*D. C.*, Washington); Cactus Wren, 42 (*Ariz.*, Tucson); Long-billed Marsh Wren, 42 (*La.*, Sabine); Short-billed Marsh Wren, 42 (*Md.*, Southern Dorchester); Cañon Wren, 8 (*Colo.*, Denver); Rock Wren, 3 (*Calif.*, Big Bear and Pasadena); Mockingbird, 626 (*Calif.*, Los Angeles); Catbird, 332 (*Fla.*, Rock Harbor); Brown Thrasher, 76 (*Tex.*, Houston); Sennett's Thrasher, 28 (*Tex.*, Santa Ana); Bendire's Thrasher, 12 (*Ariz.*, Tuc-

son); Curve-billed Thrasher, 36 (*Ariz.*, Tucson); California Thrasher, 206 (*Calif.*, Los Angeles); Crissal Thrasher, 9 (*Ariz.*, Parker); Sage Thrasher, 8 (*Tex.*, Laguna Atascosa).

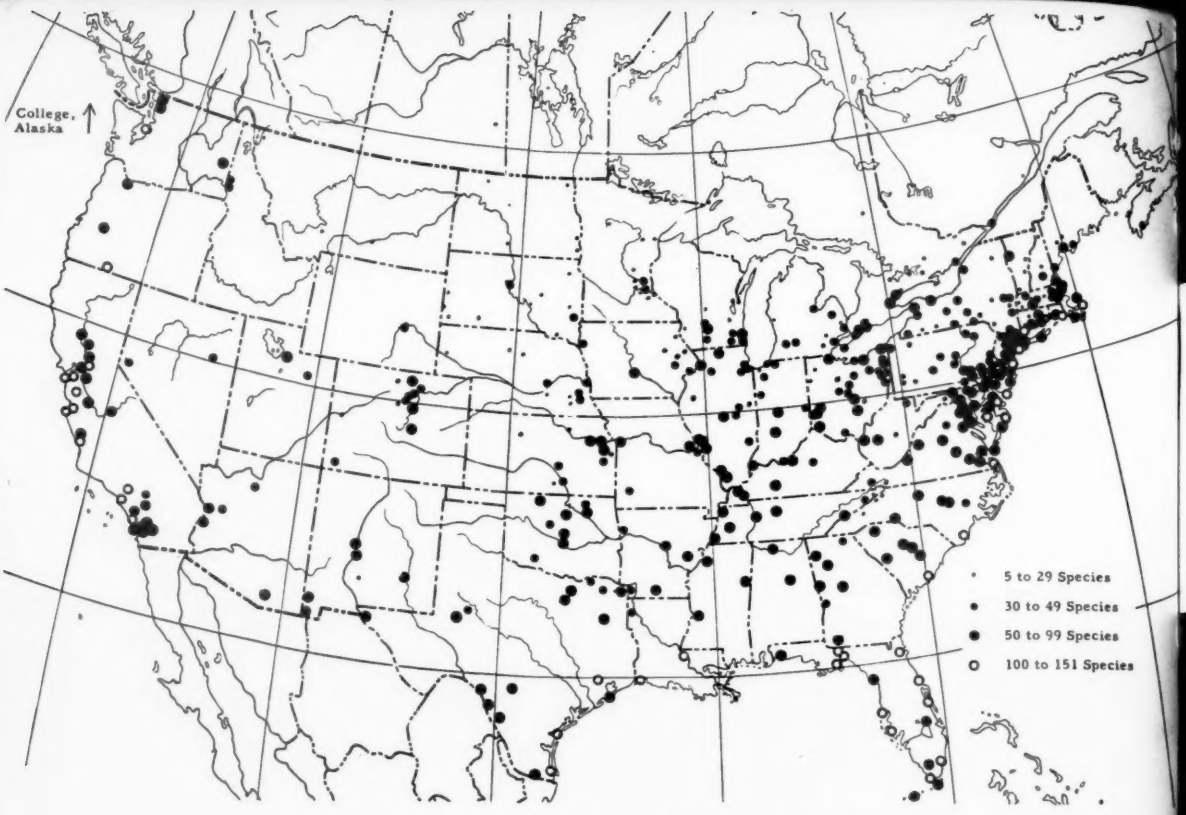
Am. Robin, 22,399 (*Oreg.*, Portland); Varied Thrush, 319 (*Oreg.*, Portland); Wood Thrush, 1 (*Pa.*, Reading; *D. C.*, Washington; *S. C.*, Charleston); Hermit Thrush, 84 (*N. J.*, Cape May); Eastern Bluebird, 206 (*Md.*, Ocean City); Western Bluebird, 102 (*Calif.*, Pauma Valley); Mountain Bluebird, 52 (*N. Mex.*, Socorro); Townsend's Solitaire, 36 (*Colo.*, Denver); Blue-gray Gnatcatcher, 300 (*Fla.*, Monroe); Black-tailed Gnatcatcher, 19 (*Ariz.*, Havasu); Golden-crowned Kinglet, 272 (*Oreg.*, Portland); Ruby-crowned Kinglet, 1000 (*Calif.*, Sacramento); Water Pipit, 1200 (*Calif.*, Sacramento); Sprague's Pipit, 26 (*Tex.*, Laguna Atascosa); Bohemian Waxwing, 253 (*Mont.*, Libby; *Wash.*, Spokane); Cedar Waxwing, 830 (*N. C.*, Wilmington); Phainopepla, 98 (*Ariz.*, Parker); Gray Shrike, 16 (*Oreg.*, Klamath Falls); Loggerhead Shrike, 172 (*Tex.*, Houston); Common Starling, 612,701 (*Ohio*, Dayton).

White-eyed Vireo, 15 (*Fla.*, Coot Bay); Hutton's Vireo, 13 (*Calif.*, Los Angeles); Solitary Vireo, 13 (*Fla.*, St. Marks); Red-eyed Vireo, 1 (*N. Y.*, Rochester); Black and White Warbler, 14 (*Fla.*, Coot Bay); Worm-eating Warbler, 1 (*Fla.*, Coot Bay and Miami); Blue-winged Warbler, 1 (*Fla.*, Coot Bay); Orange-crowned Warbler, 26 (*Fla.*, Coot Bay); Nashville Warbler, 8 (*Tex.*, Santa Ana); Parula Warbler, 10 (*Fla.*, Coot Bay); Yellow Warbler, 2 (*Calif.*, San Bernardino); Magnolia Warbler, 2 (*Tex.*, Santa Ana); Cape May Warbler, 5 (*Fla.*, Coot Bay); Black-throated Blue Warbler, 1 (*Fla.*, Coot Bay); Myrtle Warbler, 1639 (*N. J.*, Cape May); Audubon's Warbler, 2733 (*Calif.*, Los Angeles); Black-throated Gray Warbler, 2 (*La.*, Sabine); Townsend's Warbler, 21 (*Calif.*, Monterey); Black-throated Green Warbler, 2 (*Fla.*, Miami); Yellow-throated Warbler, 6 (*Fla.*, Tallahassee); Pine Warbler, 60 (*Fla.*, Tallahassee and Pensacola); Prairie Warbler, 11 (*Fla.*, Coot Bay); Palm Warbler, 304 (*Fla.*, Rock Harbor); Oven-bird, 3 (*Fla.*, Coot Bay and Miami); Macgillivray's Warbler, 1 (*Calif.*, Pasadena); Common Yellowthroat, 177 (*Fla.*, Coot Bay); Yellow-breasted Chat, 2 (*L. I.*, So. Nassau Co.); Black-capped Warbler, 5 (*La.*, St. Francisville); Canada Warbler, 1 (*Tex.*, Laguna Atascosa); Am. Redstart, 1 (*Fla.*, Coot Bay and Lower Florida Keys).

House Sparrow, 28,000 (*N. Mex.*, Bitter Lake); European Tree Sparrow, 41 (*Ill.*, E. St. Louis); Eastern Meadowlark, 1120 (*Md.*, Ocean City); Western Meadowlark, 3050 (*Calif.*, Sacramento); Yellow-headed Blackbird, 2022 (*Ariz.*, Tucson); Red-winged Blackbird, 2,000,000 (*Tenn.*, Reelfoot Lake); Tri-colored Blackbird, 101 (*Calif.*, Los Banos); Audubon's Oriole, 16 (*Tex.*, Santa Ana); Baltimore Oriole, 3 (*Fla.*, Miami); Bullock's Oriole, 1 (*Mass.*, Northampton; *Ariz.*, Parker); Rusty Blackbird, 3067 (*Ohio*, Dayton); Brewer's Blackbird, 19,856 (*Tex.*, Houston); Boat-tailed Grackle, 1232 (*La.*, Sabine); Purple Grackle, 550,000 (*Tenn.*, Memphis); Brown-headed Cowbird, 200,000 (*Md.*, Susquehanna); Western Tanager, 1 (*L. I.*, So. Nassau County); Summer Tanager, 1 (*Calif.*, Pauma Valley; *S. C.*, Charleston).

Cardinal, 893 (*Ohio*, Cincinnati); Pyrrhuloxia, 52 (*Ariz.*, Tucson); Rose-breasted Grosbeak, 3 (*N. Y.*, Monticello); Black-headed Grosbeak, 2 (*Calif.*, Los Angeles); Painted Bunting, 14 (*Fla.*, Coot Bay); Dickcissel, 3 (*N. Y.*, Port Chester; *Mass.*, Northampton); Evening Grosbeak, 356 (*Minn.*, Duluth); Purple Finch, 186 (*Oreg.*, Portland); Cassin's Finch, 23 (*Colo.*, Denver); House Finch, 7789 (*Calif.*, Los Angeles); Sharpe's Seedeater, 1 (*Tex.*, Laguna Atascosa); Pine Grosbeak, 654 (*Ont.*, Port Arthur); Gray-crowned Rosy Finch, 650 (*Utah*, Salt Lake City); Black Rosy Finch, 2650 (*Utah*, Salt Lake City); Hoary Redpoll, 1 (*Vt.*, Burlington); Common Redpoll, 760 (*N. Y.*, Hamburg); Pine Siskin, 852 (*Wash.*, Seattle); Am. Goldfinch, 785 (*Md.*, Ocean City); Lesser Goldfinch, 736 (*Calif.*, San Jose); Lawrence's Goldfinch, 23 (*Calif.*, Los Angeles); Red Crossbill, 50 (*L. I.*, So. Nassau County); White-winged Crossbill, 71 (*N. S.*, West Middle Sable).

Texas Sparrow, 18 (*Tex.*, Santa Ana); Green-tailed Towhee, 13 (*N. Mex.*, Bosque del Apache); Eastern Towhee, 263 (*Ky.*, Louisville); Spotted Towhee, 193 (*Utah*, Salt Lake City); Brown Towhee, 931 (*Calif.*, Los Angeles); Abert's Towhee, 46 (*Ariz.*, Parker); Lark Bunting, 2161 (*Tex.*, Midland); Ipswich Sparrow, 9 (*N. J.*, Cape May); Savannah Sparrow, 4000 (*Calif.*, Sacramento); Grasshopper Sparrow, 76 (*Fla.*, Coot Bay); Baird's Sparrow, 5 (*Tex.*, Laguna Atascosa); Leconte's Sparrow, 2 (*Kans.*, Lawrence); Henslow's Sparrow, 2 (*Ga.*, Macon); Sharp-tailed Sparrow, 61 (*Md.*, Ocean City); Seaside Sparrow, 56 (*La.*, Sabine); Vesper Sparrow, 185 (*Fla.*, Tallahassee; *N. Mex.*, Coronado); Lark Sparrow, 221 (*Ariz.*, Tucson); Rufous-winged Sparrow, 1 (*Tex.*, Fort Worth); Rufous-crowned Sparrow, 22 (*Calif.*, Los Angeles); Pine-woods Sparrow, 3 (*S. C.*, Charleston); Cassin's Sparrow, 7 (*Tex.*, Laguna Atascosa); Black-throated Sparrow, 45 (*Tex.*, Laguna Atascosa); Sage Sparrow, 10 (*Calif.*, Hemet); White-winged Junco, 75 (*S. Dak.*, Dewey); Slate-colored Junco, 2124 (*D. C.*, Washington); Oregon Junco, 2182 (*Oreg.*, Eugene); Gray-headed Junco, 167 (*Colo.*, Colorado Springs); Am. Tree Sparrow, 2232 (*Kans.*, Baldwin); Chipping Sparrow, 267 (*S. C.*, Columbia); Clay-colored Sparrow, 56 (*Tex.*, Laguna Atascosa); Brewer's Sparrow, 1046 (*Ariz.*, Tucson); Field Sparrow, 267 (*N. C.*, Greensboro); Harris's Sparrow, 385 (*Okla.*, Norman); White-crowned Sparrow, 2340 (*Calif.*, Sacramento); Golden-crowned Sparrow, 755 (*Calif.*, Sacramento); White-throated Sparrow, 1970 (*Md.*, Ocean City); Fox Sparrow, 335 (*N. J.*, Cape May); Lincoln's Sparrow, 35 (*Mo.*, Kansas City); Swamp Sparrow, 325 (*Md.*, Ocean City); Song Sparrow, 773 (*Oreg.*, Portland); McCown's Longspur, 200 (*S. Dak.*, Huron); Lapland Longspur, 300 (*Nebr.*, Valentine); Smith's Longspur, 105 (*Kans.*, Goddard); Chestnut-collared Longspur, 1 (*Tex.*, Commerce); Snow Bunting, 520 (*Sask.*, Yorkton).



Distribution of the Fifty-third Christmas Bird Count

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